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ABSTRACT

Projections for the Ohio work force from 1994-2005 indicate the future supply of workers will increase from 5.537 million to 6.077 million. The demographic composition of the labor force is expected to change as Ohio's population ages and work force participation continues to increase. The bulk of Ohio's labor force will be in the 35-54 age group. A slight declining trend for men and moderate increase in women's participation will continue. The labor force 55 years of age and older will grow faster than the younger labor force. The minority share of Ohio's labor force will continue to increase. The value of output produced in Ohio, gross state product, is expected to increase by 2.2 percent. Per capita income relative to the United States is expected to remain steady. The Ohio economy is projected to create more than 700,000 new jobs. Service-producing industries will account for virtually all job growth. Professional, paraprofessional, and technical workers represent the largest major occupation category which is projected to grow at the fastest rate. Health occupations will account for one in six new jobs. In general, the Ohio economy will provide jobs for workers at all educational levels, but individuals with more education and training will enjoy better job opportunities. (Following an executive summary are these sections: 31 charts and tables illustrating the findings; industry employment projections report using Standard Industrial Classification codes; and occupational employment projections report using Dictionary of Occupational Titles codes.) (YLB)

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ED 401 386

Ohio Job Outlook: 1994-2005

Industry Employment Projections Report and Occupational Employment Projections Report

Ohio Bureau of Employment Services
Labor Market Information Division
June 1996
http://www.state.oh.us/obes/lmihome.html

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Ohio Job Outlook, 1994-2005
Executive Summary

These projections for the Ohio work force from 1994 to 2005 provide information on where future job growth is expected by industry and occupation and what the demographic makeup of the work force pursuing those jobs is likely to be. These projections are widely used for studying long-range economic and employment trends, planning education and training programs, and developing career information.

The Ohio Labor Force

The future supply of workers is projected to increase by 540 thousand over the 1994-2005 period, from 5.537 million to 6.077 million (Table 1). This represents an increase of 9.8 percent, up from the 8.4 percent increase over the previous 11-year period, 1983-94. The growth rate in Ohio's labor force will surpass that of the working-age population as the baby-boom generation (born 1946-64) continues to age in the prime working-age categories.

The demographic composition of the labor force is expected to change as Ohio's population ages and work force participation continues to increase.

o The bulk of Ohio's labor force will be in the 35-54 age group by 2005 with the oldest baby-boomers in the 55-60 age group. Most workers in the labor force in 1994, about four out of five, will remain in Ohio's labor force in 2005.

o Labor force participation is expected to continue to rise from 65.8 percent of the working-age population in 1994 to 67.4 percent by 2005. A slight declining trend for men and moderate increase in women's participation will continue.

o Women's share of the Ohio labor force is projected to increase from 46.3 percent to 47.6 percent over the 11-year period. Despite this, men will supply over half of the labor force entrants over the 1994-2005 timespan.

o The labor force 55 years of age and older will grow faster than the younger labor force as the baby-boom generation continues to age. The labor force 25-to-34 years of age is expected to decline by 137 thousand, reflecting the decrease in births in the late 1960s and early 1970s.

o The minority share of Ohio's labor force will continue to increase. The nonwhite labor force is projected to reach a 12.3 percent share in 2005, up from 10.4 percent in 1994. Minorities will supply about three-tenths of the labor force entrants over that period.

June 1996

Table 1
Ohio Labor Force Estimates, 1983-94, and Projections to 2005, by Age, Sex and Race

Age, Sex and Race	1983				1994				2005			
	Civilian NI Pop. 16+	Civilian Labor Force			Civilian NI Pop. 16+	Civilian Labor Force			Civilian NI Pop. 16+	Civilian Labor Force		
		Number	Share	LFPR		Number	Share	LFPR		Number	Share	LFPR
Total												
Total	8,051	5,110	100.0%	63.5%	8,417	5,537	100.0%	65.8%	9,023	6,077	100.0%	67.4%
16-24	1,638	1,103	21.6%	67.4%	1,356	919	18.0%	67.8%	1,443	1,000	16.5%	69.3%
16-19	678	346	6.8%	51.0%	603	335	6.1%	55.6%	632	357	5.9%	56.5%
20-24	959	757	14.8%	78.9%	753	584	10.5%	77.6%	811	643	10.6%	79.3%
25-34	1,805	1,464	28.6%	81.1%	1,789	1,484	26.8%	83.0%	1,581	1,347	22.2%	85.2%
35-44	1,279	1,035	20.3%	80.9%	1,751	1,474	26.6%	84.2%	1,718	1,497	24.6%	87.1%
45-54	1,046	784	15.3%	74.9%	1,230	1,001	18.1%	81.4%	1,695	1,431	23.5%	84.4%
55-64	1,123	615	12.0%	54.7%	932	505	9.1%	54.2%	1,095	627	10.3%	57.3%
65+	1,160	110	2.2%	9.5%	1,360	153	2.8%	11.3%	1,491	175	2.9%	11.7%
Male												
Total	3,795	2,898	56.7%	76.4%	3,968	2,975	53.7%	75.0%	4,280	3,185	52.4%	74.4%
16-24	804	587	11.5%	73.0%	646	460	8.3%	71.2%	724	525	8.6%	72.5%
16-19	333	177	3.5%	53.2%	302	172	3.1%	57.0%	322	185	3.0%	57.4%
20-24	472	410	8.0%	87.0%	344	288	5.2%	83.7%	402	340	5.6%	84.4%
25-34	864	819	16.0%	94.8%	870	805	14.5%	92.5%	777	718	11.8%	92.4%
35-44	619	597	11.7%	96.4%	865	800	14.4%	92.5%	844	776	12.8%	92.0%
45-54	502	459	9.0%	91.4%	588	529	9.6%	90.0%	819	729	12.0%	89.0%
55-64	532	374	7.3%	70.3%	448	291	5.3%	65.0%	520	340	5.6%	65.5%
65+	474	62	1.2%	13.2%	551	90	1.6%	16.3%	596	97	1.6%	16.3%
Female												
Total	4,256	2,212	43.3%	52.0%	4,449	2,562	46.3%	57.6%	4,743	2,893	47.6%	61.0%
16-24	834	516	10.1%	61.9%	710	459	8.3%	64.6%	719	476	7.8%	66.2%
16-19	346	169	3.3%	49.0%	301	163	2.9%	54.2%	310	172	2.8%	55.4%
20-24	488	347	6.8%	71.1%	409	296	5.3%	72.4%	409	304	5.0%	74.3%
25-34	941	645	12.6%	68.6%	919	679	12.3%	73.9%	804	629	10.4%	78.2%
35-44	660	438	8.6%	66.4%	886	674	12.2%	76.1%	874	721	11.9%	82.5%
45-54	544	325	6.4%	59.7%	642	472	8.5%	73.5%	876	702	11.6%	80.1%
55-64	591	241	4.7%	40.7%	484	215	3.9%	44.4%	575	287	4.7%	49.9%
65+	687	47	0.9%	6.9%	809	63	1.1%	7.8%	895	78	1.3%	8.7%
Race												
White	7,230	4,613	90.3%	63.8%	7,456	4,959	89.6%	66.5%	7,841	5,330	87.7%	68.0%
Nonwhite	821	497	9.7%	60.6%	961	578	10.4%	60.1%	1,182	747	12.3%	63.2%

Notation: Civilian Noninstitutional Population, 16 years of age and older. Population and labor force reported in thousands.
LFPR is the labor force participation rate which is the proportion of the civilian labor force to the civilian noninstitutional population for each cell.

Sources: Geographic Profile of Employment and Unemployment, 1983 and 1994, U.S. Department of Labor, Bureau of Labor Statistics.
Ohio Bureau of Employment Services, Labor Market Information Division, June 1996.

Ohio Economic Trends

o The value of output produced in Ohio, gross state product, is expected to increase by 2.2 percent per year through 2005, according to the Bureau of Economic Analysis. Growth in output is expected to be somewhat less than the 2.5 percent annual increase anticipated for the U.S.

o Ohio's population has been increasing for the past decade and will continue to rise, but at a slower rate than the U.S. population.

o Although Ohio income will decline as a share of national income, per capita income relative to the U.S. is expected to remain steady, according to the Bureau of Economic Analysis.

o The Ohio economy has been healthy in the 1990s with an unemployment rate that has remained below the national rate for five consecutive years. The number of unemployed Ohioans fell to 266,000 on average in 1995, the lowest number in two decades.

Ohio Industry Employment

o Over the 1994-2005 period, the Ohio economy is projected to create more than 700 thousand new jobs (Table 2). The number of nonfarm wage and salary jobs is anticipated to rise from 5.076 million in 1994 to 5.754 million by 2005.

o Service-producing industries will account for virtually all of the job growth. Only construction is expected to add jobs in the goods-producing sector.

o Manufacturing in Ohio is projected to maintain its share of total output, but increased productivity in this sector will likely result in a slight decline in employment.

o The services sector, led by business and health services, will provide about three-fifths of the total job growth. Large numbers of jobs are also projected for trade, government, and construction.

Ohio Occupational Employment

o Professional, paraprofessional, and technical workers represent the largest major occupational category (Table 3), which is also projected to grow at the fastest rate. This occupational group is expected to add 233,400 jobs over the 1994-2005 period. The next largest increase is anticipated for service workers with 175,980 jobs. These two groups--on opposite ends of the educational attainment and earnings spectrum--are expected to provide more than half of the total job growth.

o Other groups that are expected to grow faster than the average are marketing, sales, and managerial occupations.

o Administrative support occupations including clerical are projected to grow much slower than the average and much slower than they have in the past, reflecting the increasing impact of office

Table 2
State of Ohio
Industry Employment Trends, 1983-1994, and Projections, 1994-2005
Major Industry Divisions
(employment in thousands)

Industry Division	1983		1994		Change, 1983-1994		Projected 2005		Change, 1994-2005	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Nonfarm wage and salary	4,092.5	100.0	5,076.2	100.0	983.7	24.0	5,754.2	100.0	678.0	13.4
Goods-producing	1,223.4	29.9	1,290.5	25.4	67.1	5.5	1,280.6	22.3	-9.9	-0.8
Mining	26.6	0.6	14.5	0.3	-12.1	-45.5	13.0	0.2	-1.5	-10.3
Construction	130.8	3.2	205.5	4.0	74.7	57.1	233.3	4.1	27.8	13.5
Manufacturing	1,066.0	26.0	1,070.5	21.1	4.5	0.4	1,034.3	18.0	-36.2	-3.4
Durable goods	721.9	17.6	705.9	13.9	-16.0	-2.2	661.6	11.5	-44.3	-6.3
Nondurable goods	344.1	8.4	364.6	7.2	20.5	6.0	372.7	6.5	8.1	2.2
Service-producing	2,869.2	70.1	3,785.8	74.6	916.6	31.9	4,473.6	77.7	687.8	18.2
Transport & Utilities	198.5	4.9	222.3	4.4	23.8	12.0	235.6	4.1	13.3	6.0
Trade	933.5	22.8	1,225.2	24.1	291.7	31.2	1,393.4	24.2	168.2	13.7
Finance, Insurance & Real Estate	207.8	5.1	270.3	5.3	62.5	30.1	291.3	5.1	21.0	7.8
Services	873.3	21.3	1,327.9	26.2	454.6	52.1	1,762.0	30.6	434.1	32.7
Government	656.1	16.0	740.1	14.6	84.0	12.8	791.3	13.8	51.2	6.9
Agriculture (1)	--	--	101.8	--	--	--	95.7	--	-6.1	-6.0
Private Household	--	--	16.6	--	--	--	13.7	--	-2.9	-17.5
Nonfarm self-employed & unpaid workers	--	--	397.3	--	--	--	444.5	--	47.2	11.9
Total Employment (2)	--	--	5,591.9	--	--	--	6,308.1	--	716.2	12.8

(1) Excludes SICs 074,5,8 (agricultural services).
(2) Wage and salary data are from the BLS Current Employment Statistics (payroll) survey, which counts jobs, whereas self-employed, unpaid family worker, agricultural, and private household data are from the Current Population Survey (household survey), which counts workers.

Source: Ohio Bureau of Employment Services, Labor Market Information Division, June 1996.

Table 3
State of Ohio
Occupational Employment Projections Report, 1994-2005
Major Occupational Groups

Major Occupational Group	1994 Annual Employment	2005 Projected Employment	Change, 1994-2005		Annual Growth Openings	Net Annual Replacement Openings	Total Annual Openings
			Number	Percent			
Total, All Occupations	5,591,900	6,308,100	716,200	12.8	65,109	123,906	189,015
Managerial Occupations	405,590	471,360	65,770	16.2	5,979	8,692	14,671
Professional, Paraprof., Technical Occ.	1,083,140	1,316,540	233,400	21.5	21,218	21,064	42,282
Marketing and Sales Occupations	658,310	760,600	102,290	15.5	9,299	18,395	27,694
Administrative Support Occup., Clerical	879,480	905,040	25,560	2.9	2,324	17,264	19,588
Service Occupations	864,970	1,040,950	175,980	20.3	15,998	21,813	37,811
Agriculture, Forestry, Fishing Occupations	139,920	144,430	4,510	3.2	410	2,285	2,695
Precision Production, Craft and Repair Occ.	613,070	658,200	45,130	7.4	4,103	13,039	17,142
Operators, Fabricators, and Laborers	947,460	1,011,000	63,540	6.7	5,776	21,354	27,130

Source: Ohio Bureau of Employment Services, Labor Market Information Division, June 1996.

automation.

o Precision production, craft, and repair occupations and operators, fabricators, and laborers are projected to grow more slowly than the average due to continuing advances in technology, changes in production methods, and overall decline in manufacturing employment.

o Health occupations will account for one in six new jobs for Ohioans in large part because of the need to care for an aging population with a longer life expectancy.

o Only one-third of the job openings in the Ohio economy are expected to be generated by employment growth. The remaining two-thirds stem from the need to replace existing workers who will leave the labor force.

o The 10 occupations with the most annual openings include most major categories with sales occupations related to retail trade capturing the top 3 spots.

Ohio Education and Training

Labor market conditions in Ohio have been favorable for employment in recent years and the job outlook anticipates a continuation of that trend. In general, the Ohio economy will provide jobs for workers at all educational levels, but individuals with more education and training will enjoy better job opportunities.

o Employment will increase in occupations requiring various amounts of education and training (Table 4). Growth rates over the 1994-2005 period will range from 4.3 percent for occupations requiring moderate-term on-the-job training to 22.4 percent for occupations requiring a master's degree.

o Education will play a bigger role in the Ohio workplace. All categories that generally require an associate degree or more education are projected to grow faster than the 12.8 percent average for all occupations in Ohio.

o Occupations that generally require moderate-term (1 to 12 months) on-the-job training for a worker to achieve average job performance are projected to grow the slowest, reflecting the concentration of many production occupations in declining manufacturing industries.

o Workers with higher levels of education or training usually will have more options in the job market and better prospects for obtaining the higher paying jobs.

More detailed information on Ohio's 1994-2005 projections is available through the industry and occupational reports that are now available through the Ohio Bureau of Employment Services (OBES) worldwide web site at http://www.state.oh.us/obes/lmihome.html or in printed form by contacting the User Services section in the Labor Market Information Division at (614) 644-2689 or writing to OBES, Labor Market Information Division, 145 S. Front St., P.O. Box 1618, Columbus, Ohio 43216-1618. A more formal publication will be available later in 1996.

Table 4
State of Ohio
Occupational Employment Projections, 1994-2005, by Education and Training Category

Education and Training Category	1994		2005		Change, 1994-2005		Annual Openings*	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Total, All Occupations	5,591,900	100.0	6,308,100	100.0	716,200	12.8	189,015	100.0
First professional degree	82,740	1.5	94,330	1.5	11,590	14.0	2,512	1.3
Doctoral degree	35,190	0.6	40,230	0.6	5,040	14.3	1,547	0.8
Master's degree	68,510	1.2	83,840	1.3	15,330	22.4	2,490	1.3
Work experience, plus a bachelor's or higher degree	454,650	8.1	537,470	8.5	82,820	18.2	17,294	9.2
Bachelor's degree	474,460	8.5	573,490	9.1	99,030	20.9	18,986	10.0
Associate degree	186,260	3.3	226,540	3.6	40,280	21.6	6,764	3.6
Postsecondary vocational training	322,550	5.8	359,790	5.7	37,240	11.5	9,884	5.2
Work experience	447,150	8.0	504,110	8.0	56,960	12.7	14,971	7.9
Long-term on-the-job training	630,480	11.3	688,620	10.9	58,140	9.2	19,673	10.4
Moderate-term on-the-job training	745,350	13.3	777,650	12.3	32,300	4.3	22,237	11.8
Short-term on-the-job training	2,144,560	38.4	2,422,030	38.4	277,470	12.9	72,657	38.4

* Job openings due to growth and net replacements.

Source: Ohio Bureau of Employment Services, Labor Market Information Division, June 1996.

Technical Notes

The labor supply analysis was based on labor force estimates for Ohio from the U.S. Department of Labor, Bureau of Labor Statistics. Changes in Ohio labor force participation rates were based on projections of national participation rates by age, sex, and race (published in the November 1995 issue of *The Monthly Labor Review*) applied to 1994 Ohio rates. The projected population for Ohio for 2005 was an average of several current independent forecasts with the demographic detail derived primarily from *Population Projections, Ohio and Counties by Age and Sex: 1990 to 2015* by the Ohio Department of Development released in January 1993.

Key economic trends in output and personal income for Ohio were taken from *BEA Regional Projections to 2045: Volume 1, States*, published by the U.S. Department of Commerce, Bureau of Economic Analysis in July 1995.

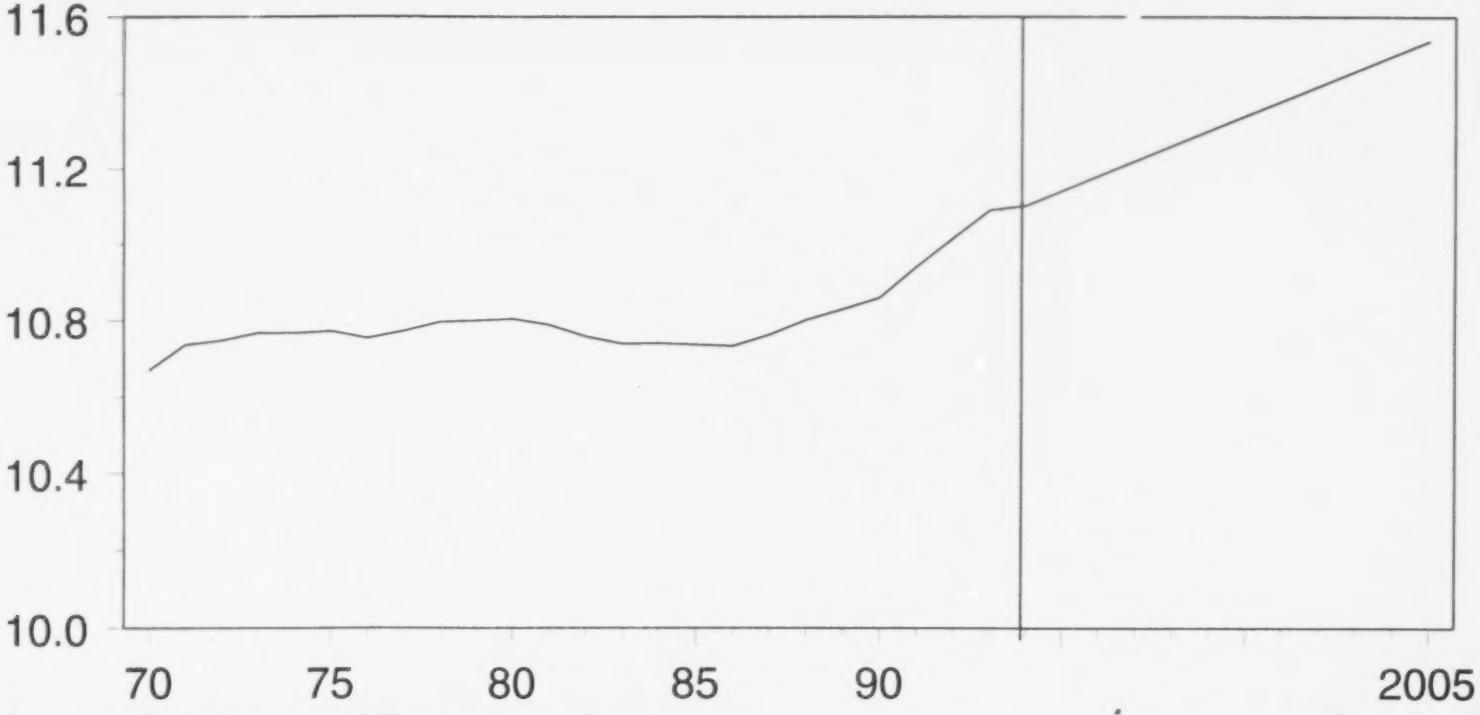
Projections of employment demand were made at the 3-digit industry level, based on the Standard Industrial Classification, using single-equation regression models. These models related Ohio industry employment to national industry employment and other key economic determinants for Ohio, especially income and population. National projections of industry demand, published in the November 1995 issue of *The Monthly Labor Review*, were a key input.

Occupational estimates and projections were derived by creating an industry-occupation matrix with occupational data supplied by employers from the Occupational Employment Statistics (OES) surveys for 1992, 1993, and 1994. Ohio industry staffing patterns were adjusted for expected technological change and other factors from national data provided by the Bureau of Labor Statistics. Net annual replacement needs were computed from national rates also supplied by the Bureau of Labor Statistics and published in *Occupational Projections and Training Data*, U.S. Department of Labor, Bureau of Labor Statistics, January 1996. These rates have been found to provide reliable estimates of Ohio's replacement needs for specific occupations.

The analysis by education and training level is a new addition to Ohio's labor market projections program made possible by the recent classification of the OES occupations into eleven distinct categories by the staff at the Office of Economic Projections at the Bureau of Labor Statistics. See the Winter 1995-96 issue of the *Occupational Outlook Quarterly* for more details on this process.

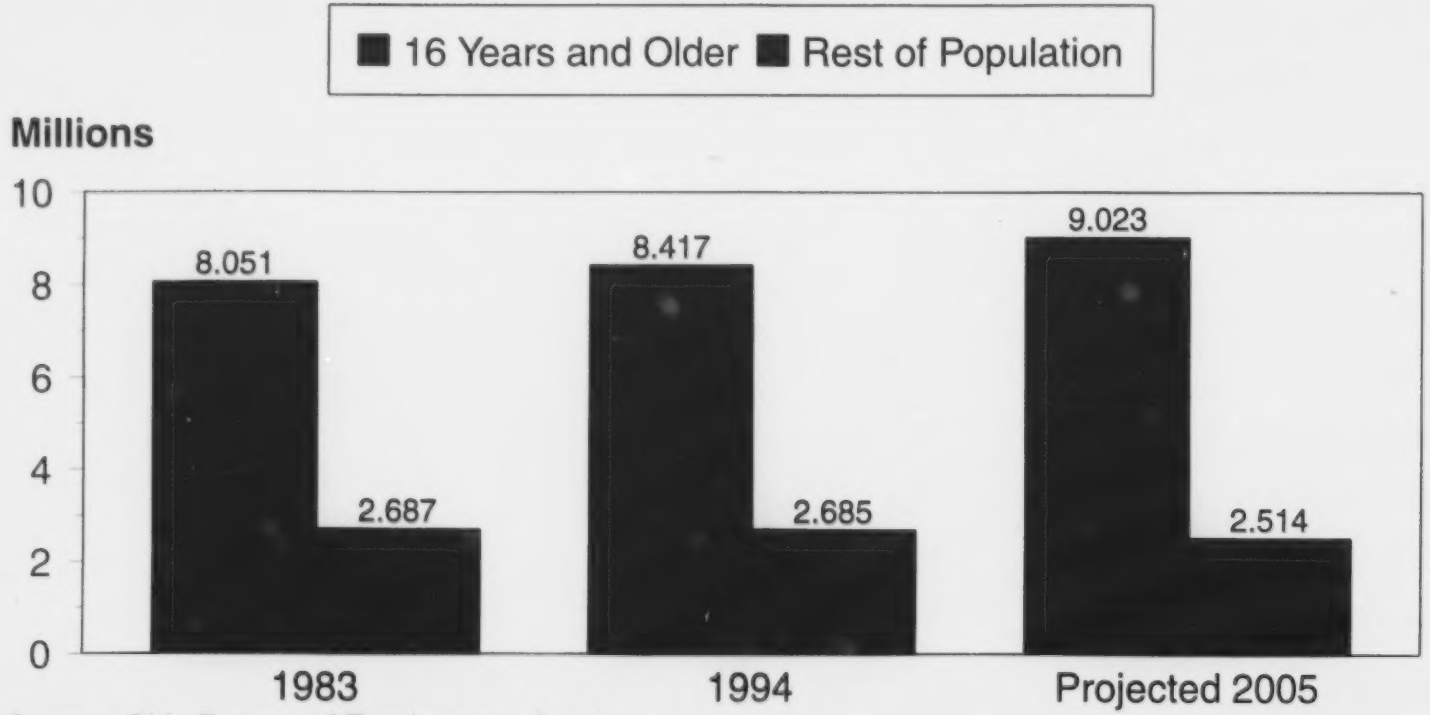
Ohio Population on the Rise

Millions



Source: Ohio Bureau of Employment Services
Labor Market Information Division

Ohio's Working-Age Population to Increase



Source: Ohio Bureau of Employment Services
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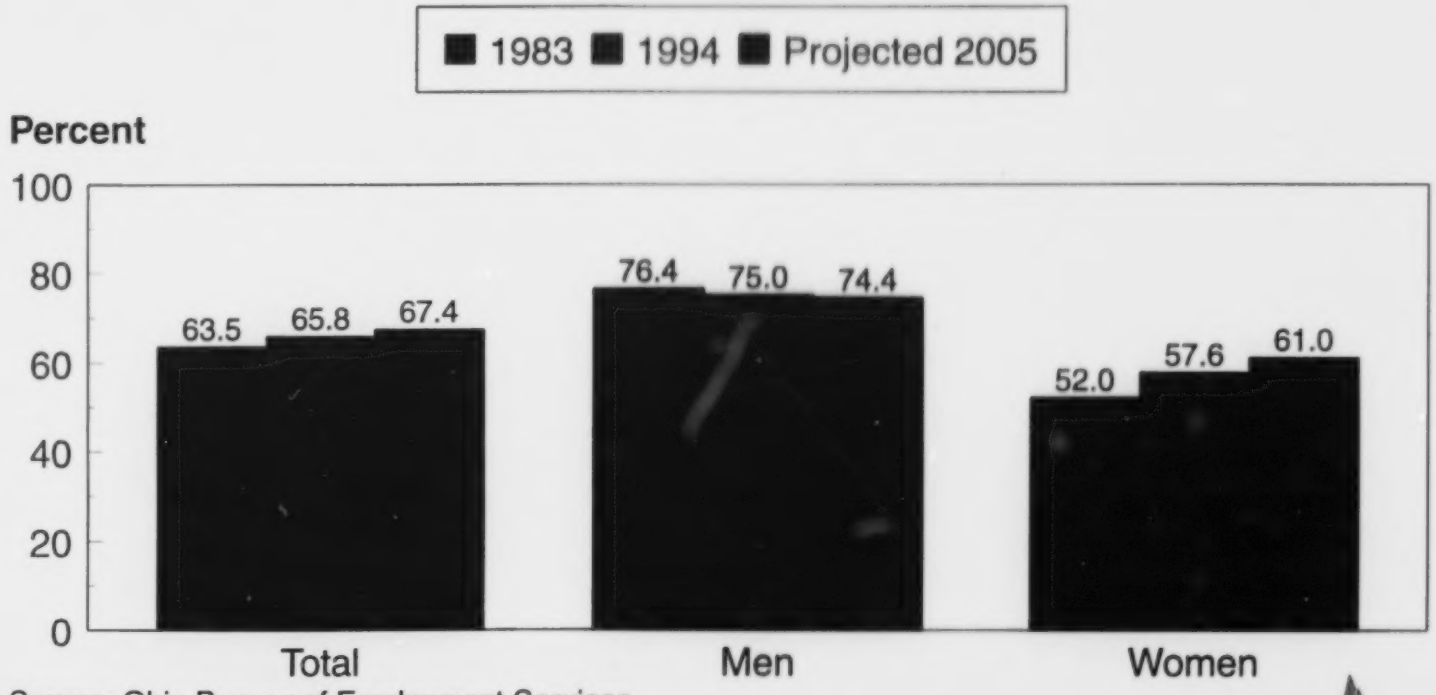
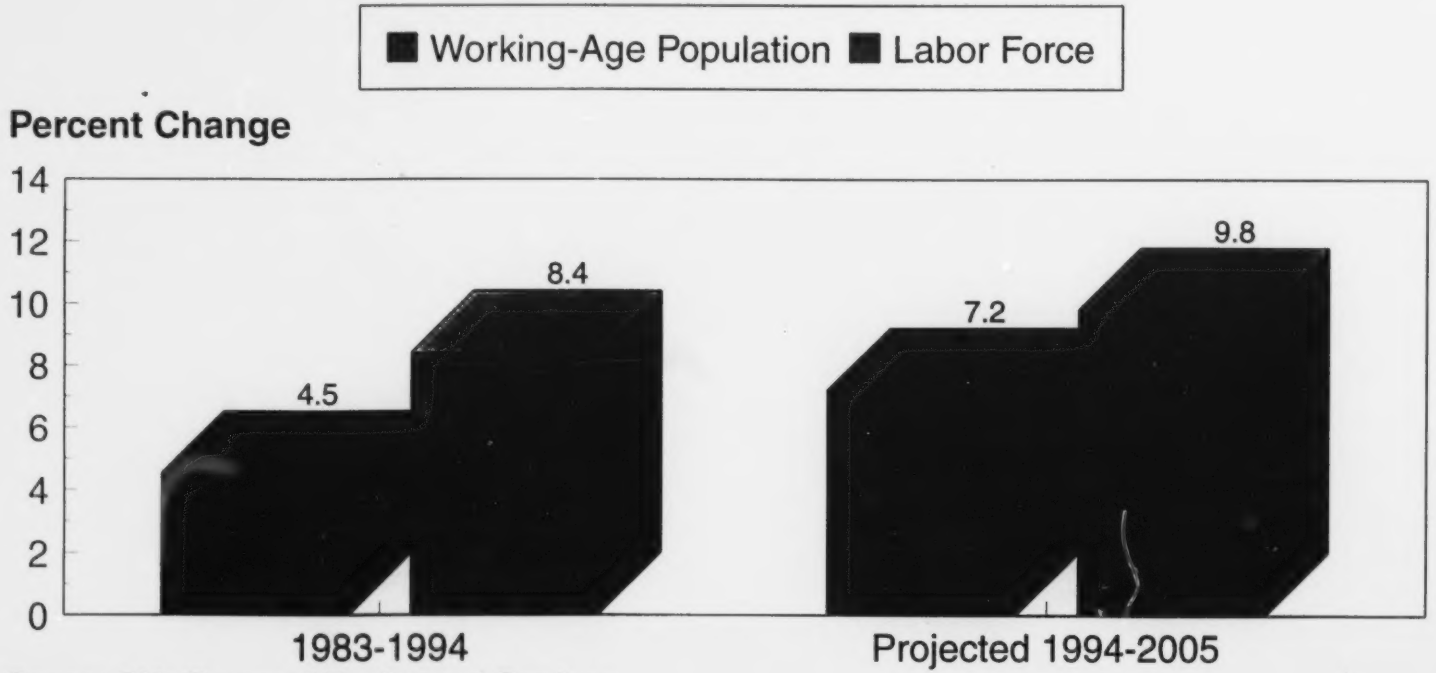
Ohio's Labor Force Participation Rate to Increase



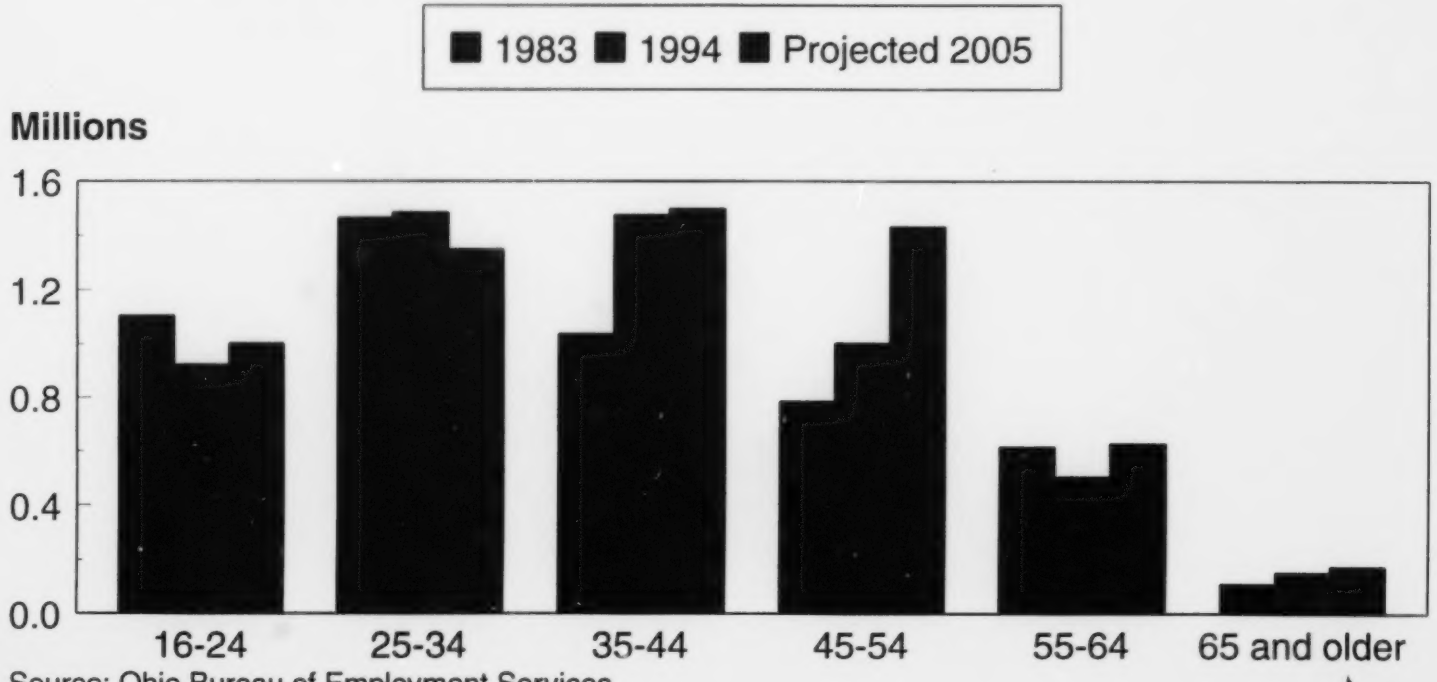
Source: Ohio Bureau of Employment Services
Labor Market Information Division

Ohio's Labor Force to Grow Faster than Population



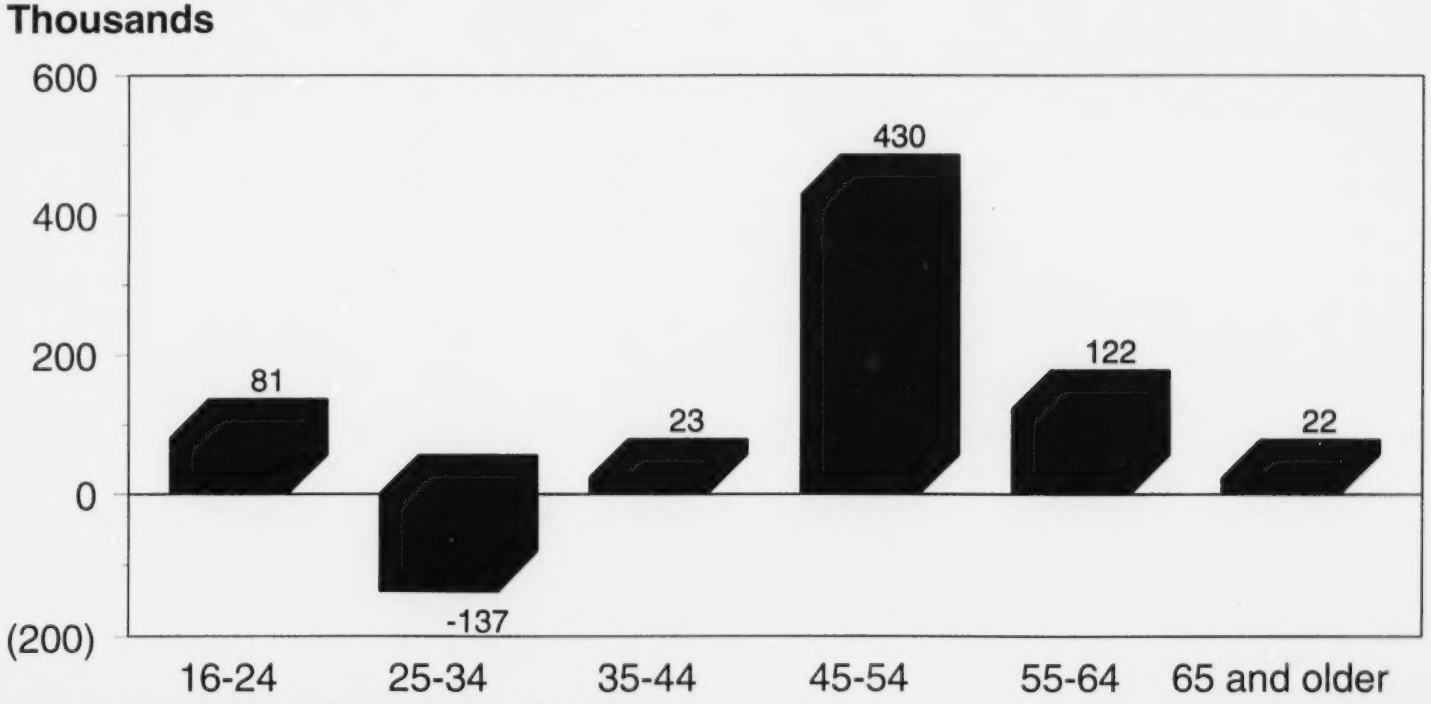
Source: Ohio Bureau of Employment Services
Labor Market Information Division

Age Distribution of Ohio's Labor Force is Changing



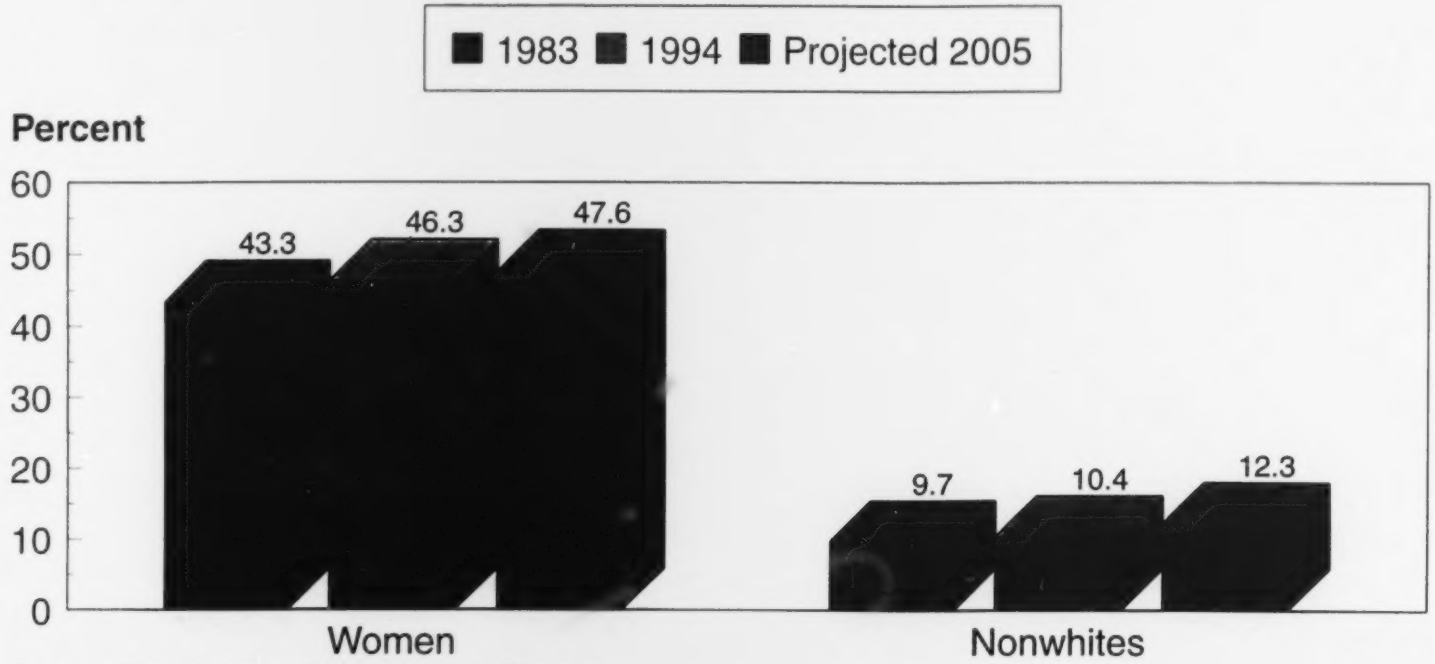
Source: Ohio Bureau of Employment Services
Labor Market Information Division

Ohio's Labor Force Growth by Age: Projected Change from 1994-2005



Source: Ohio Bureau of Employment Services
Labor Market Information Division

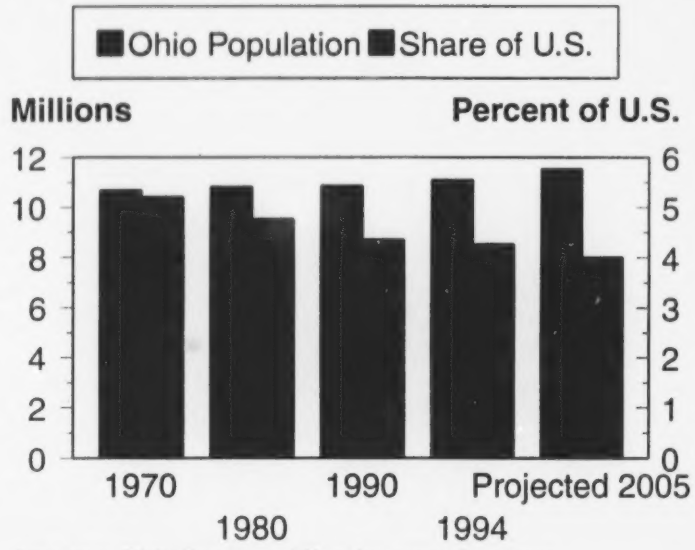
Women and Minority Shares of Ohio's Labor Force Increasing



Source: Ohio Bureau of Employment Services
Labor Market Information Division

State of Ohio Population

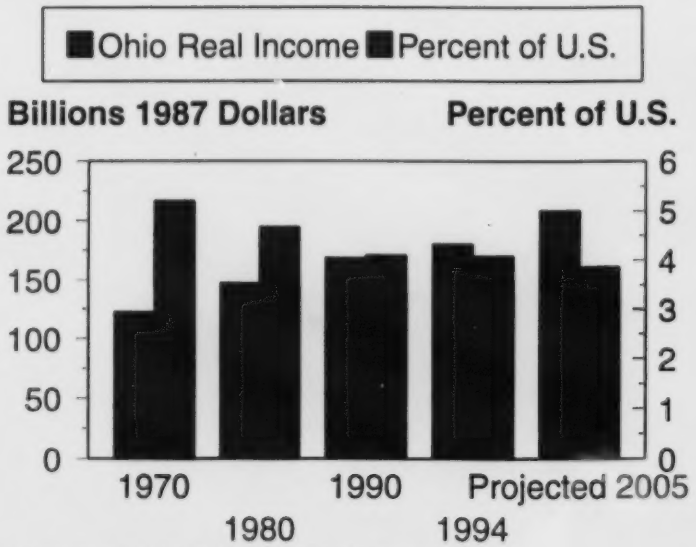
- Ohio's Population has been increasing for the past decade
- But the U.S. population has been increasing at a faster rate
- Ohio's share of U.S. population is expected to decline



Sources: Ohio Bureau of Employment Services
Labor Market Information Division
U.S. Bureau of the Census

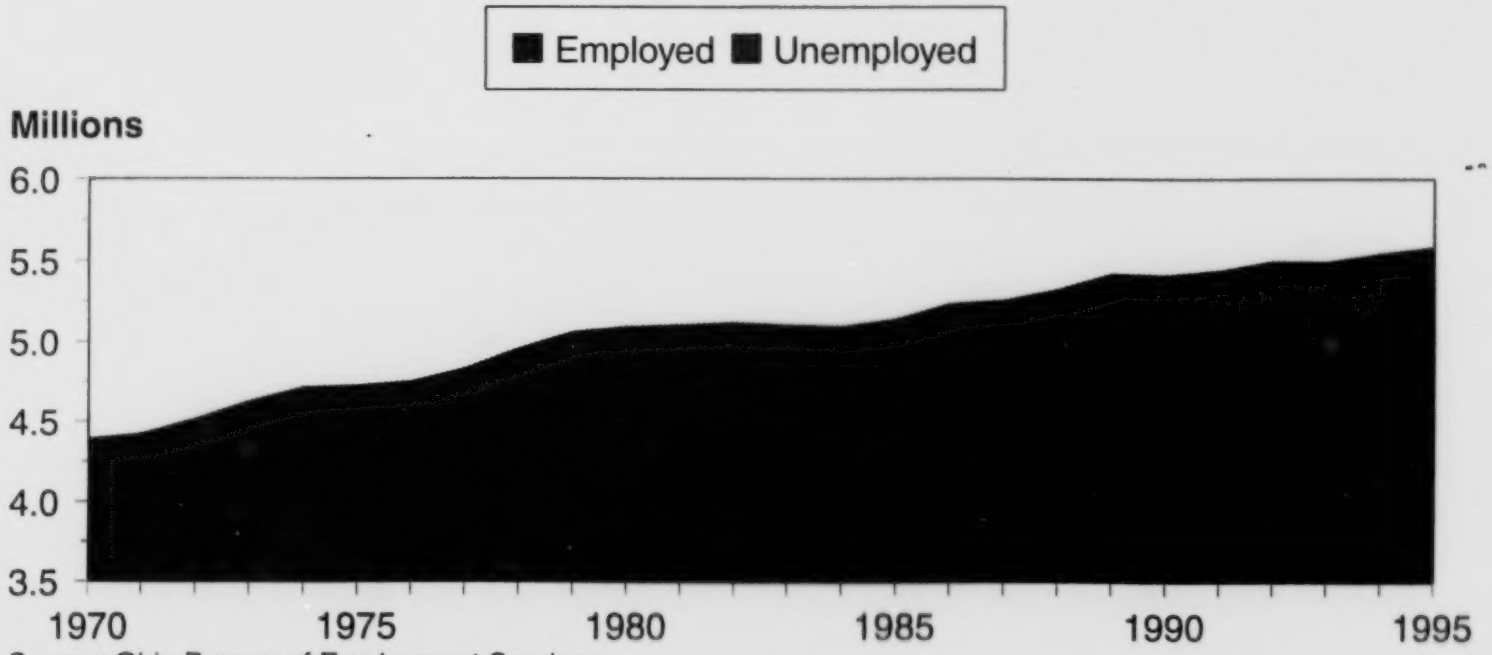
State of Ohio Real Personal Income

- Ohioans personal income expected to rise
- Total Ohio income as a share of national income projected to continue to decline
- Per capita income relative to U.S. to remain stable



Source: BEA Regional Projections to 2045
U.S. Department of Commerce
Economics and Statistics Administration

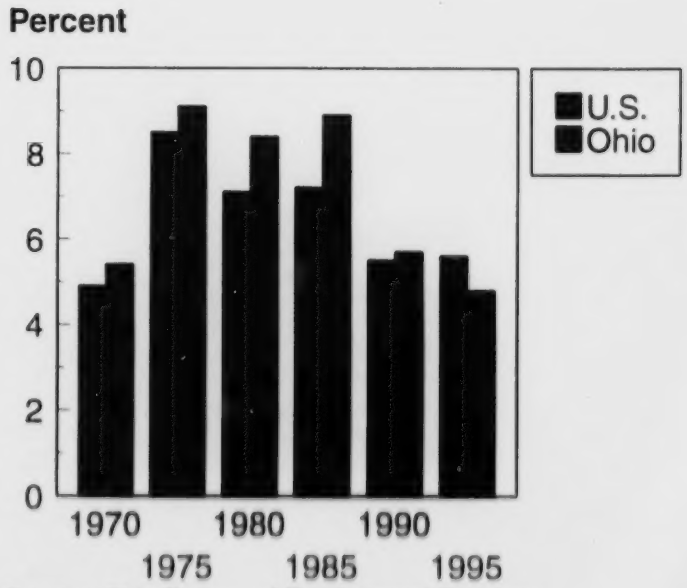
State of Ohio Labor Force, Employment, and Unemployment Trends, 1970-1995



Source: Ohio Bureau of Employment Services
Labor Market Information Division

U.S. and Ohio Unemployment Rates

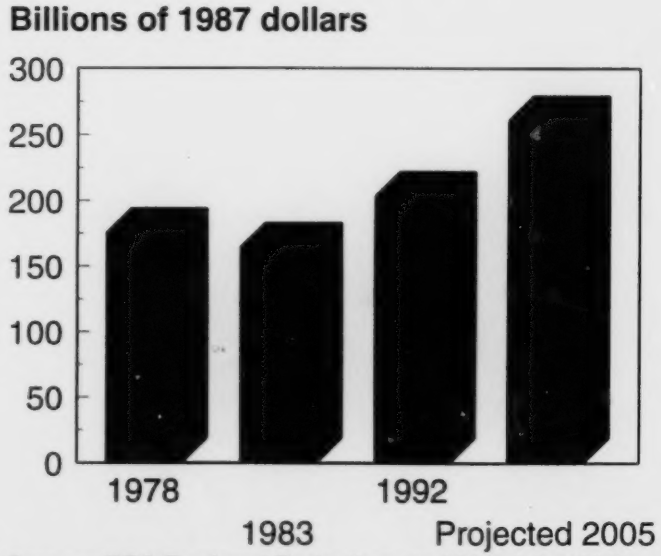
- Ohio's unemployment rate has remained below the national rate for five years
- The number of unemployed Ohioans fell to 266,000 in 1995



Source: Ohio Bureau of Employment Services
Labor Market Information Division

Gross State Product for Ohio

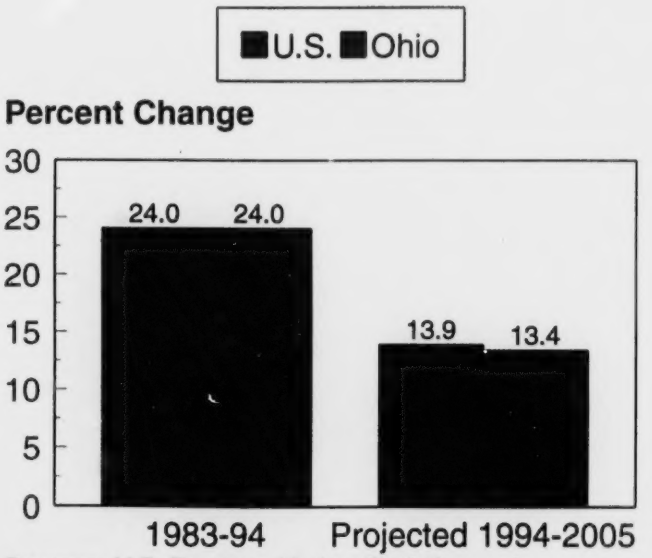
- Ohio's value of Gross State Product ranks seventh in the U.S.
- Ohio accounts for 4.0 percent of the U.S. Gross Domestic Product
- Ohio's annual average increase in value of output is expected to be 2.2 percent



Source: BEA Regional Projections to 2045, July 1995
U.S. Department of Commerce
Economics and Statistics Administration

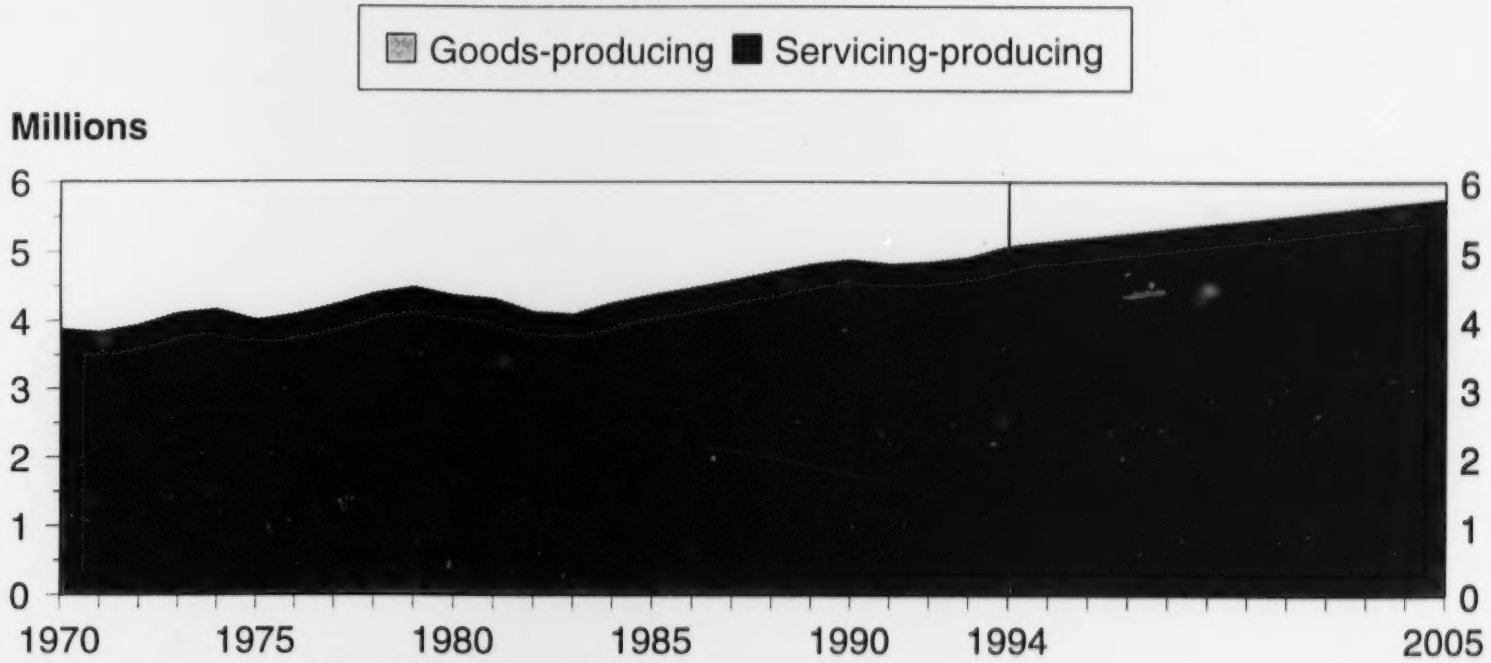
Employment Growth: U.S. and Ohio

- Employment growth will slow over the 1994-2005 period for both the U.S. and Ohio
- State of Ohio growth expected to be similar to U.S. industry employment growth



Sources: U.S. Bureau of Labor Statistics and
Ohio Bureau of Employment Services
Labor Market Information Division

Employment Growth by Major Economic Sectors, 1970-2005



Source: Ohio Bureau of Employment Services
Labor Market Information Division

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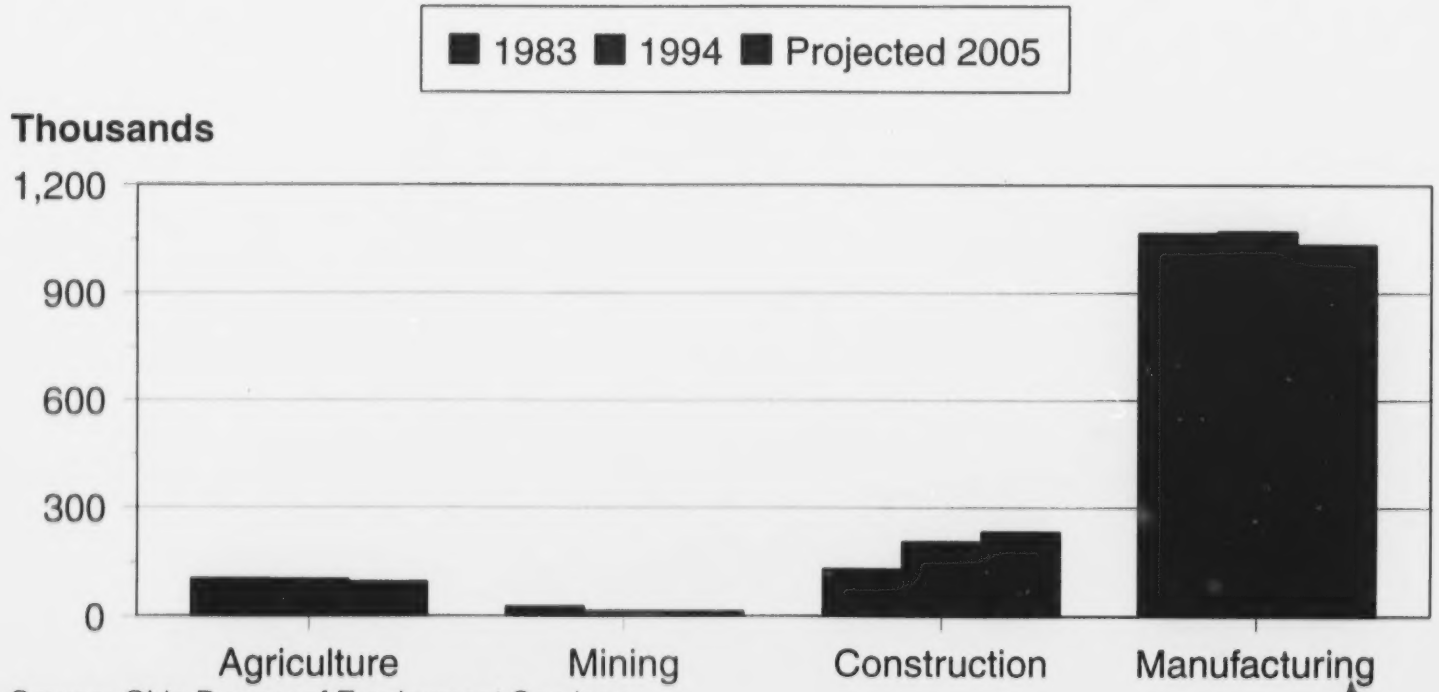
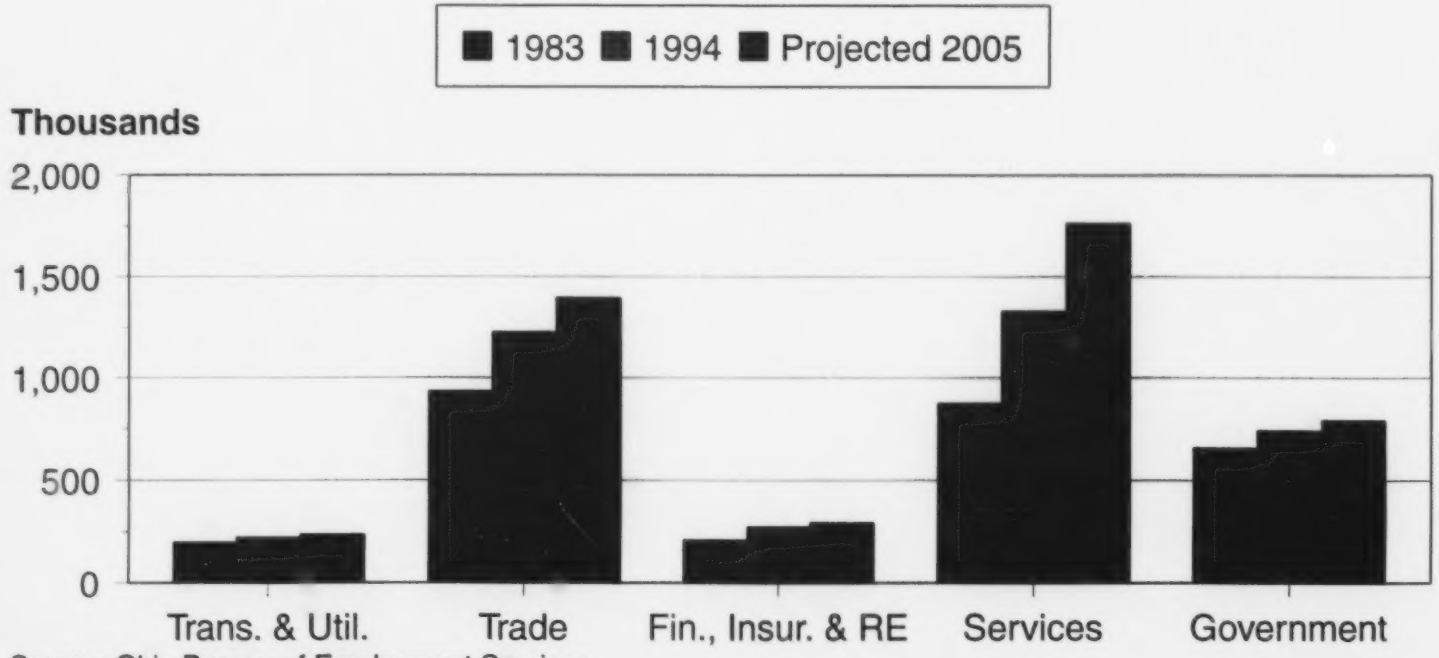
Ohio Goods-Producing Employment: 1983, 1994 and 2005



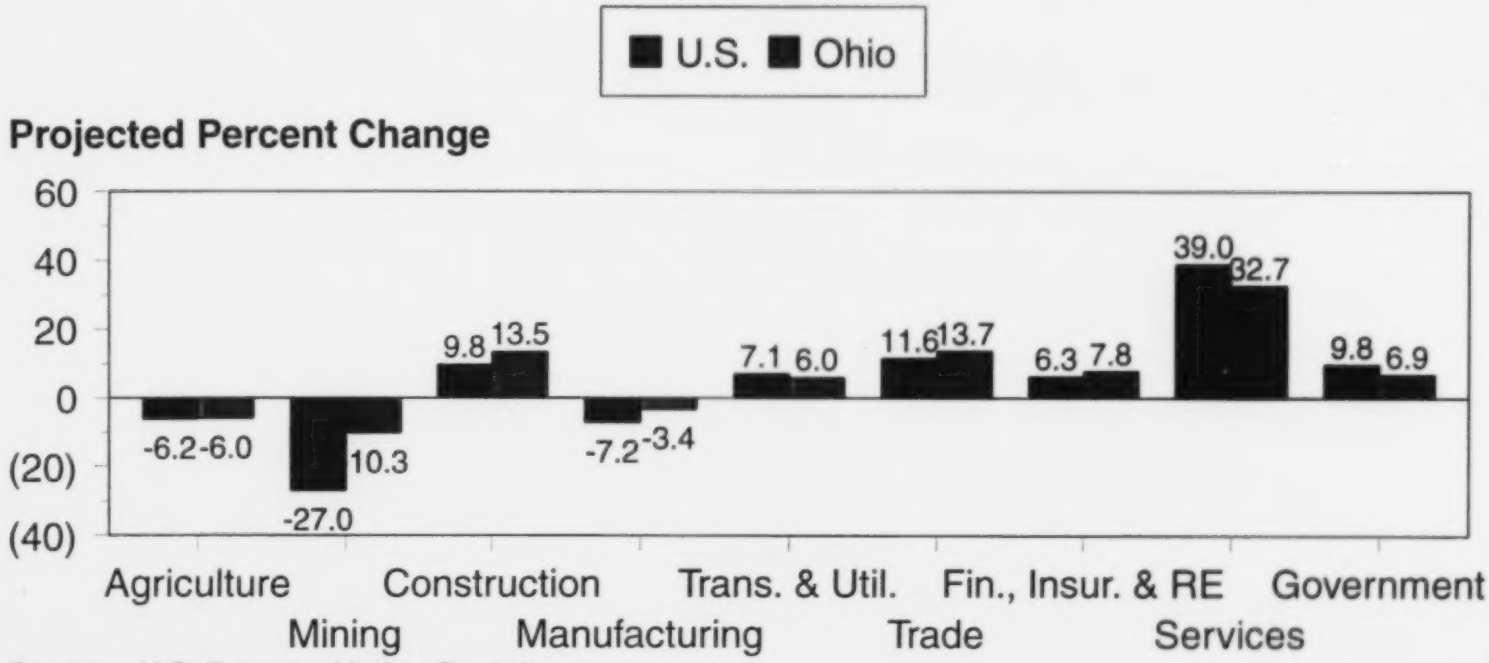
Source: Ohio Bureau of Employment Services
Labor Market Information Division

Ohio Service-Producing Employment: 1983, 1994 and 2005



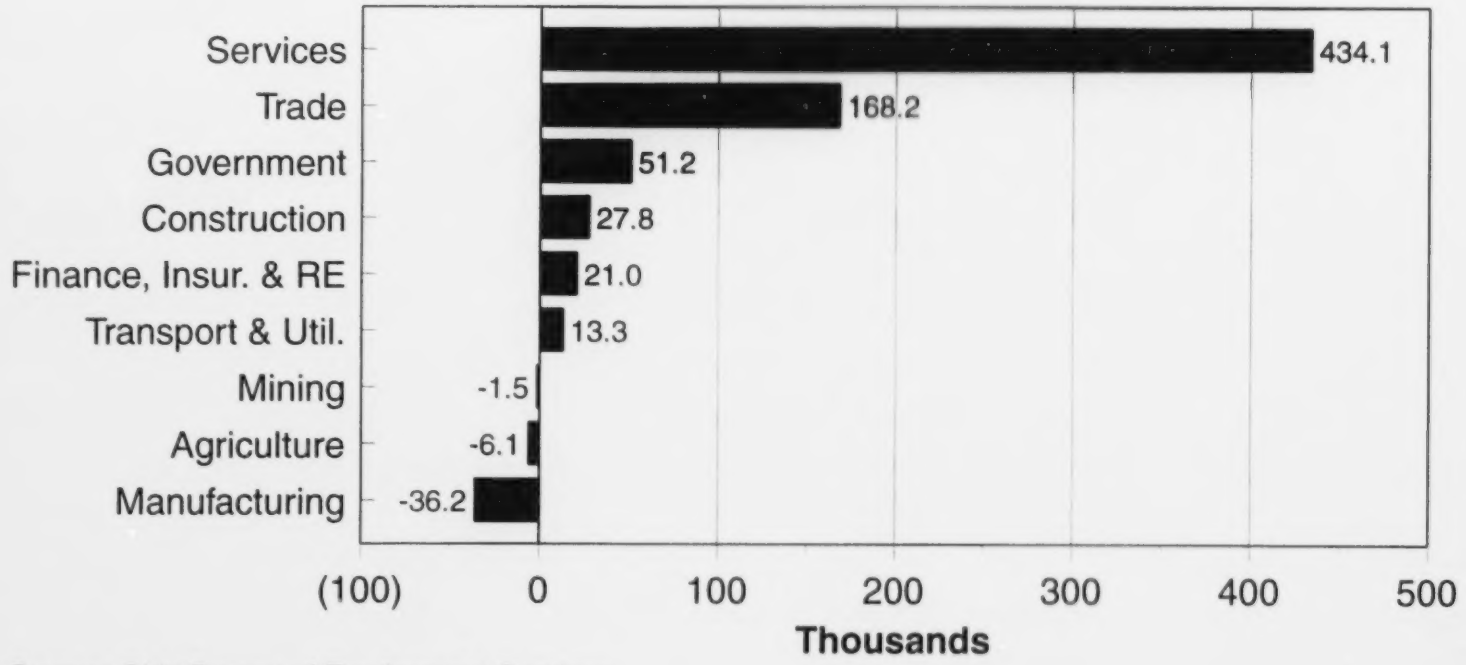
Source: Ohio Bureau of Employment Services
Labor Market Information Division

Comparison of U.S. and Ohio Rates of Industry Growth, 1994-2005



Sources: U.S. Bureau of Labor Statistics
Ohio Bureau of Employment Services
Labor Market Information Division

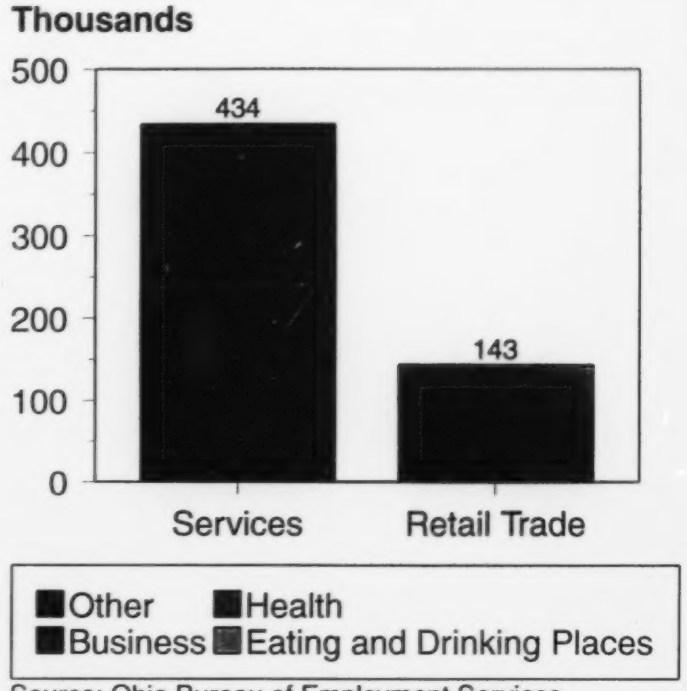
Job Growth in Services sets the Pace



Source: Ohio Bureau of Employment Services
Labor Market Information Division

Employment Growth Concentrated

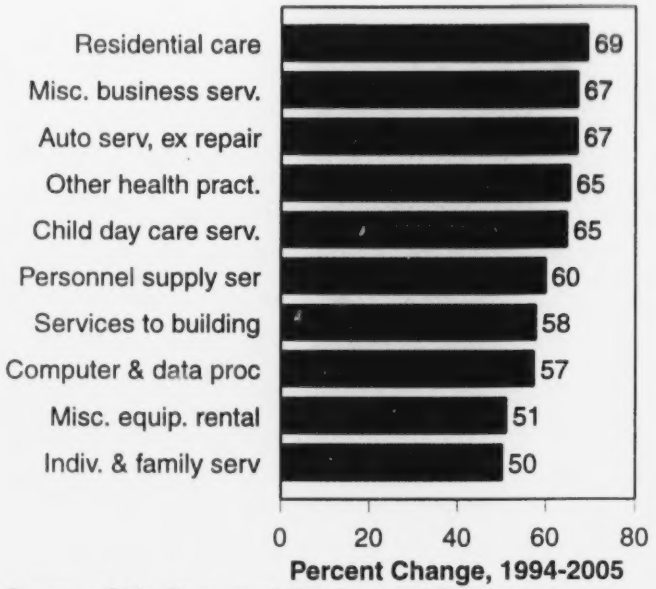
- Within the services division, health and business services will account for nearly two-thirds of the growth
- Eating and drinking places will account for more than one-third of the job growth in retail trade



Source: Ohio Bureau of Employment Services
Labor Market Information Division

Industries with the Fastest Job Growth, 1994-2005

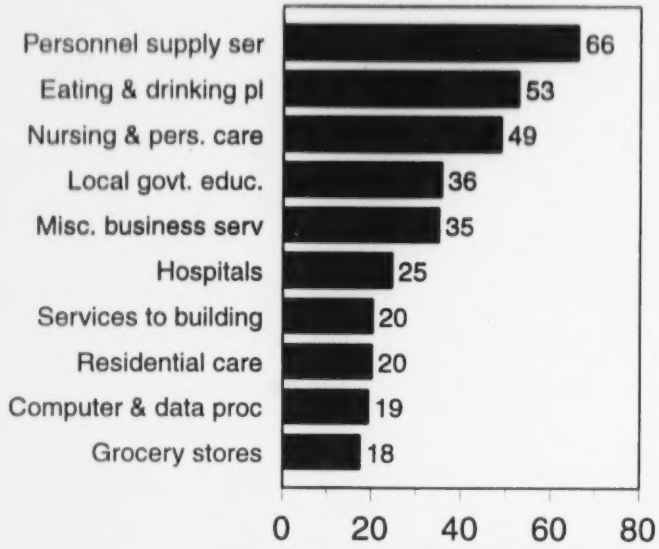
- The top 10 fastest growing industries are all in the services sector
- Eight of the 10 fastest growing industries are in health or business services
- Demand for residential care will grow because of rapid growth of the older population



Source: Ohio Bureau of Employment Services
Labor Market Information Division

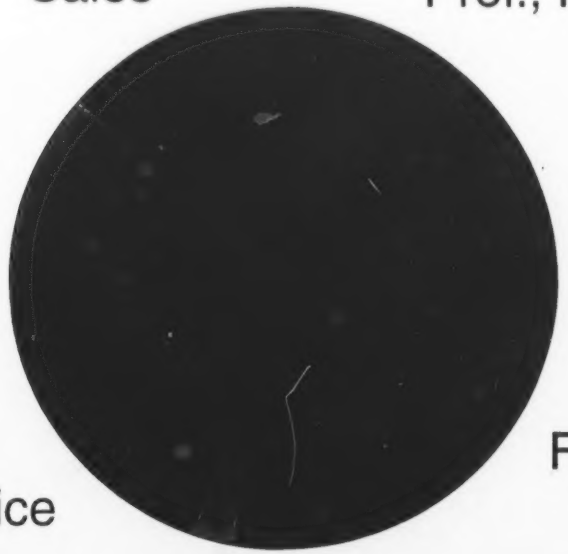
Industries adding the most New Jobs

- Business and health services dominate the job growth picture
- Retail trade will also account for a large number of new jobs



Source: Ohio Bureau of Employment Services
Labor Market Information Division

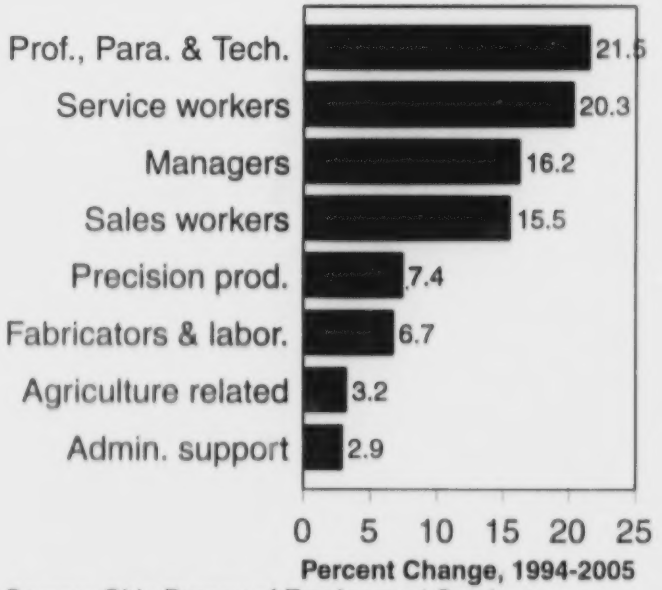
Occupational Structure in Ohio, 1994



Source: Ohio Bureau of Employment Services
Labor Market Information Division

Employment Growth by Major Occupational Group

- Professional, paraprofessional and technical workers represent the largest category and will grow at the fastest rate
- Technology has been slowing the demand for administrative support workers

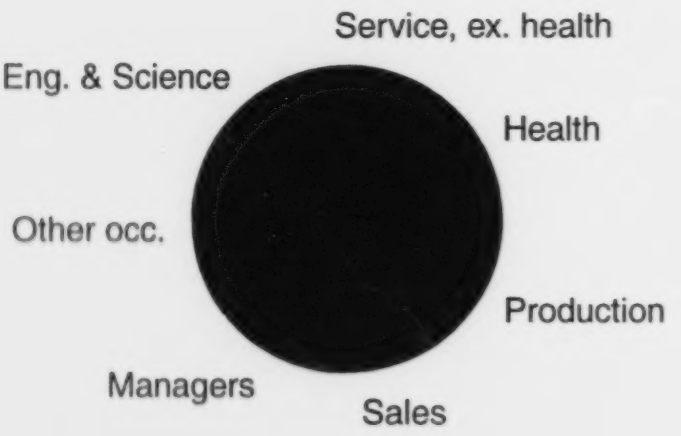


Source: Ohio Bureau of Employment Services
Labor Market Information Division

Occupational Job Growth in Ohio

- Health occupations will account for 16 percent of the net job growth
- Engineering, natural science, mathematics, and computer science occupations will increase at a fast rate

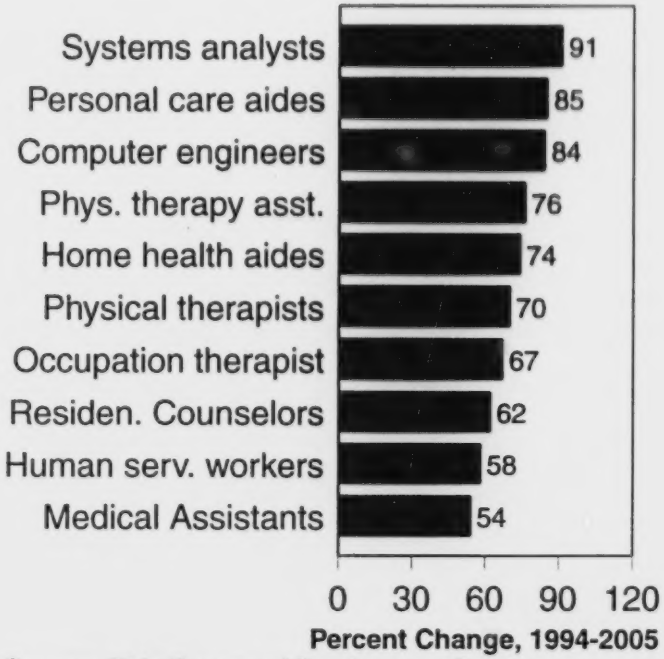
Job Growth, 1994-2005



Source: Ohio Bureau of Employment Services
Labor Market Information Division

Fastest Growing Occupations in Ohio

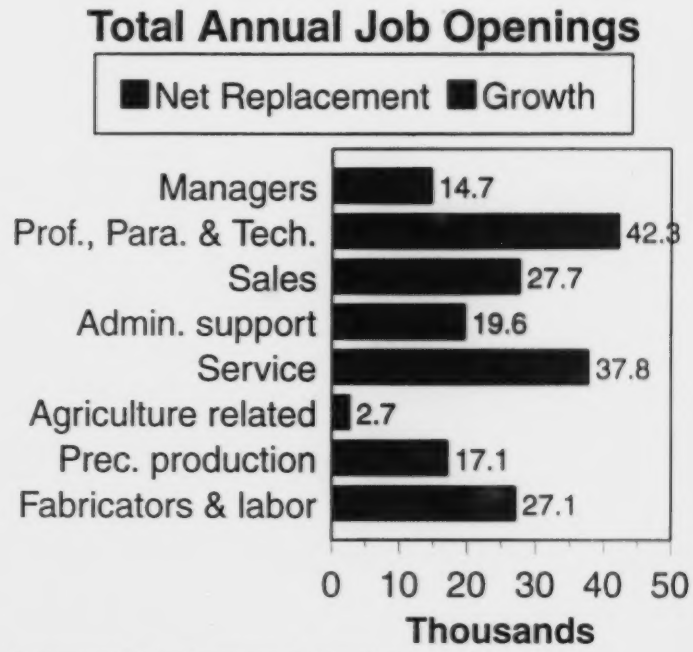
- Most fast growing occupations enjoy good employment opportunities
- Many of these occupations are in the health and business services fields



Source: Ohio Bureau of Employment Services
Labor Market Information Division
Occupations with 200 or more annual openings

Most Job Openings are due to Replacement Demand

- Employers replace workers who die, retire, or leave the labor force for other reasons
- Nearly two-thirds of job openings expected to be net replacement needs



Source: Ohio Bureau of Employment Services
Labor Market Information Division

Occupations with the Most Job Openings

- An occupation with large employment will usually have many job openings
- Even occupations with limited employment growth may have high demand because of replacement needs

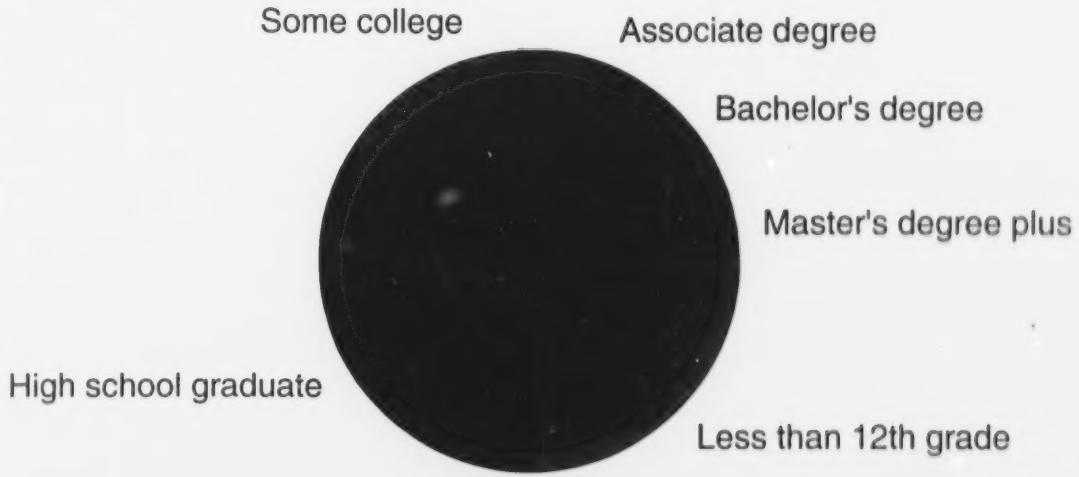
Source: Ohio Bureau of Employment Services
Labor Market Information Division

Educational Composition of Ohio Occupational Employment, 1994

Education and Training Category

Source: Ohio Bureau of Employment Services
Labor Market Information Division

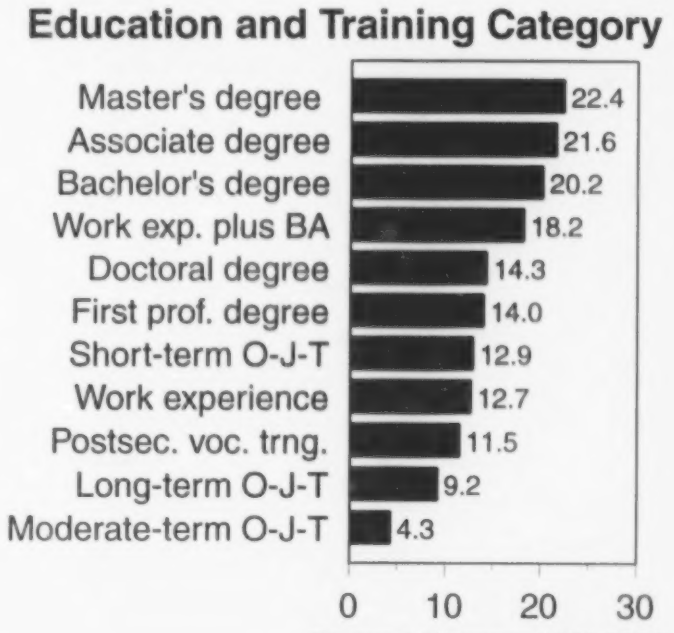
Educational Attainment in Ohio, 1990



Source: Ohio Department of Development
Ohio Social and Economic Characteristics, 1990 Census
Ohio Population 18 years and older

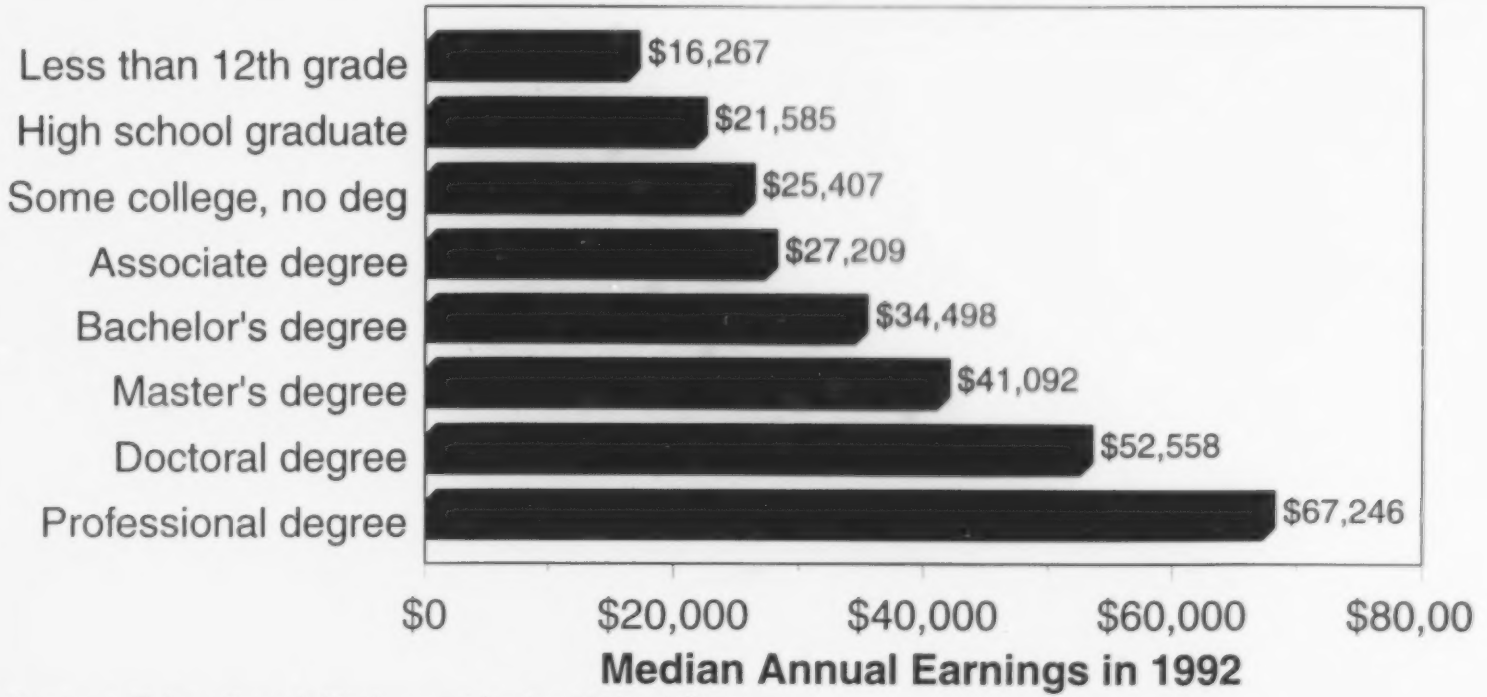
Education will play a Bigger Role in the Ohio Workplace

- Occupations that generally require at least an associate's degree will grow at a faster than average rate
- Moderate-term O-J-T includes many production occupations that are concentrated in manufacturing industries



Source: Ohio Bureau of Employment Services
Labor Market Information Division

Education Results in Higher Earnings



Source: Educational Attainment in the United States
U.S. Bureau of the Census, Current Population Reports, P20-476, March 1993
Year round, full-time workers

State of Ohio
Industry(a) Employment Projections Report, 1994-2005

SIC Code	Industry Title	1994 Annual Employment	2005 Projected Employment	Change in Employment 1994-2005	Annual Rate of Change 1994-2005
	Total Nonfarm Wage and Salary Employment	**5,076.2**	**5,754.2**	**678.0**	**1.2**
	Mining	**14.5**	**13.0**	**-1.5**	**-0.9**
	Construction	**205.5**	**233.3**	**27.8**	**1.2**
15	General Building Contractors, Total	50.0	59.4	9.4	1.7
152	Residential Building Construction	21.8	25.7	3.9	1.6
154	Nonresidential Building Construction	26.7	32.3	5.6	1.9
16	General Contractors, Exc. Bldg, Total	24.7	28.2	3.5	1.3
161	Highway and Street Construction	8.5	9.5	1.0	1.1
162	Heavy Construction, Except Highway	16.3	18.7	2.4	1.3
17	Special Trade Contractors, Total	130.8	145.7	14.9	1.0
171	Plumbing, Heating, Air Conditioning	30.5	35.3	4.8	1.4
172	Painting and Paper Hanging	7.6	8.8	1.2	1.4
173	Electrical Work	22.0	24.4	2.4	1.0
174	Masonry, Stonework and Plastering	16.2	18.1	1.9	1.1
175	Carpentry and Floor Work	10.5	11.6	1.1	1.0
176	Roofing, Siding and Sheet Metal Work	9.3	10.0	0.7	0.7
177	Concrete Work	10.7	11.5	0.8	0.7
179	Miscellaneous Special Trade Contractors	23.3	25.4	2.1	0.8
	Manufacturing	**1,070.5**	**1,034.3**	**-36.2**	**-0.3**
	Durable Goods Manufacturing	**705.9**	**661.6**	**-44.3**	**-0.6**
	Nondurable Goods Manufacturing	**364.6**	**372.7**	**8.1**	**0.2**
20	Food and Kindred Products, Total	61.6	60.7	-0.9	-0.1
201	Meat Products	7.9	7.3	-0.6	-0.7
202	Dairy Products	9.9	9.4	-0.5	-0.5
203	Preserved Fruits and Vegetables	12.2	13.3	1.1	0.8
204	Grain Mill Products	5.7	6.8	1.1	1.8
205	Bakery Products	9.5	9.6	0.1	0.1
208	Beverages	7.9	6.0	-1.9	-2.2
23	Apparel and Textile Products, Total	13.7	14.2	0.5	0.3
239	Miscellaneous Fabricated Textile Products	8.7	9.7	1.0	1.0
24	Lumber and Wood Products, Total	25.7	29.7	4.0	1.4
243	Millwork, Plywood and Structural Members	11.9	14.8	2.9	2.2
249	Miscellaneous Wood Products	6.2	7.0	0.8	1.2
25	Furniture and Fixtures, Total	15.2	15.8	0.6	0.4
251	Household Furniture	7.4	7.4	0.0	0.0
26	Paper and Allied Products, Total	37.7	38.9	1.2	0.3
262	Paper Mills, Except Building Paper	8.6	8.4	-0.2	-0.2
265	Paperboard Container and Boxes	13.8	15.3	1.5	1.0
267	Misc. Converted Paper Products	13.0	13.2	0.2	0.1
27	Printing and Publishing, Total	75.7	80.6	4.9	0.6
271	Newspapers	18.6	18.5	-0.1	0.0
272	Periodicals	5.7	5.7	0.0	0.0
273	Books	5.6	7.1	1.5	2.4
275	Commercial Printing	29.8	31.9	2.1	0.6
28	Chemicals and Allied Products, Total	66.2	65.0	-1.2	-0.2
281	Industrial Inorganic Chemicals	9.6	8.3	-1.3	-1.2

(a) Industries with 5,000 or more employees. Reported in thousands.

State of Ohio
Industry(a) Employment Projections Report, 1994-2005

SIC Code	Industry Title	1994 Annual Employment	2005 Projected Employment	Change in Employment 1994-2005	Annual Rate of Change 1994-2005
282	Plastics Materials and Synthetics	9.6	8.5	-1.1	-1.0
284	Soap, Cleaners and Toilet Goods	18.5	19.8	1.3	0.6
285	Paints and Allied Products	6.5	5.9	-0.6	-0.8
286	Industrial Organic Chemicals	7.1	7.0	-0.1	-0.1
289	Miscellaneous Chemical Products	9.5	9.2	-0.3	-0.3
29	Petroleum and Coal Products, Total	7.4	7.2	-0.2	-0.2
30	Rubber and Misc. Plastics Products, Total	95.8	99.8	4.0	0.4
301	Tires and Inner Tubes	12.4	9.0	-3.4	-2.5
306	Fabricated Rubber Products, N.E.C.	15.4	14.6	-0.8	-0.5
308	Miscellaneous Plastics Products, N.E.C.	62.5	71.1	8.6	1.3
32	Stone, Clay and Glass, Total	43.8	39.3	-4.5	-0.9
322	Glass and Glassware, Pressed or Blown	8.8	8.6	-0.2	-0.2
323	Products of Purchased Glass	5.4	5.5	0.1	0.2
326	Pottery and Related Products	5.1	4.5	-0.6	-1.1
327	Concrete, Gypsum and Plaster Products	8.6	7.6	-1.0	-1.1
329	Miscellaneous Nonmetalic Mineral Products	10.4	7.5	-2.9	-2.5
33	Primary Metal Industries, Total	92.9	79.2	-13.7	-1.3
331	Blast Furnace and Basic Steel Products	40.7	36.1	-4.6	-1.0
332	Iron and Steel Foundries	19.0	14.9	-4.1	-2.0
335	Nonferrous Rolling and Drawing	16.1	13.6	-2.5	-1.4
336	Nonferrous Foundries (Castings)	10.8	9.1	-1.7	-1.4
34	Fabricated Metal Products, Total	126.9	114.6	-12.3	-0.9
342	Cutlery, Handtools and Hardware	8.8	6.6	-2.2	-2.3
344	Fabricated Structural Metal Products	27.1	22.3	-4.8	-1.6
345	Screw Machine Products, Bolts, Nuts	10.5	9.5	-1.0	-0.9
346	Metal Forgings and Stampings	38.4	33.3	-5.1	-1.2
347	Metal Services, N.E.C.	10.7	13.5	2.8	2.4
349	Miscellaneous Fabricated Metal Products	18.9	18.1	-0.8	-0.4
35	Industrial Machinery and Equipment, Total	154.9	150.3	-4.6	-0.3
353	Construction and Related Machinery	11.6	10.4	-1.2	-0.9
354	Metalworking Machinery	44.5	43.1	-1.4	-0.3
355	Special Industry Machinery	15.5	15.2	-0.3	-0.2
356	General Industrial Machinery	24.7	25.1	0.4	0.1
357	Computer and Office Equipment	9.0	6.7	-2.3	-2.3
358	Refrigeration and Service Machinery	14.5	14.0	-0.5	-0.3
359	Industrial Machinery, N.E.C.	27.6	29.0	1.4	0.5
36	Electronic and Other Electrical Equip, Total	74.7	67.5	-7.2	-0.9
362	Electrical Industrial Apparatus	10.7	8.4	-2.3	-2.0
363	Household Appliances	16.0	14.2	-1.8	-1.0
364	Electric Lighting and Wiring Equipment	16.3	14.4	-1.9	-1.1
366	Communications Equipment	8.6	8.0	-0.6	-0.6
367	Electronic Components and Accessories	10.7	12.0	1.3	1.1
369	Misc. Electrical Equipment and Supplies	8.6	7.0	-1.6	-1.7
37	Transportation Equipment, Total	128.7	119.0	-9.7	-0.7
371	Motor Vehicles and Equipment	99.8	91.5	-8.3	-0.8
372	Aircraft and Parts	21.3	20.3	-1.0	-0.4
38	Instruments and Related Products, Total	27.3	28.8	1.5	0.5
382	Measuring and Controlling Devices	14.3	14.1	-0.2	-0.1

(a) Industries with 5,000 or more employees. Reported in thousands.

State of Ohio
Industry(a) Employment Projections Report, 1994-2005

SIC Code	Industry Title	1994 Annual Employment	2005 Projected Employment	Change in Employment 1994-2005	Annual Rate of Change 1994-2005
384	Medical Instruments and Supplies	10.8	12.2	1.4	1.2
39	Misc. Manufacturing Industries, Total	15.8	17.4	1.6	0.9
394	Toys and Sporting Goods	5.0	6.4	1.4	2.5
399	Miscellaneous Manufacturers	8.5	8.5	0.0	0.0
	Transportation, Communications and Utilities	**222.3**	**235.6**	**13.3**	**0.5**
	Transportation	**139.3**	**157.3**	**18.0**	**1.2**
40	Railroad Transportation	9.7	7.7	-2.0	-1.9
41	Local and Interurban Transit, Total	9.9	12.0	2.1	1.9
411	Local and Suburban Transportation	6.6	8.1	1.5	2.1
42	Trucking and Warehousing, Total	84.0	93.6	9.6	1.0
421	Trucking and Courier Services, Ex. Air	77.8	86.6	8.8	1.0
422	Public Warehousing and Storage	5.9	6.7	0.8	1.2
45	Transportation by Air, Total	16.5	19.2	2.7	1.5
451	Air Transporation, Scheduled	12.4	14.4	2.0	1.5
47	Transportation Services, Total	14.2	19.3	5.1	3.3
472	Passenger Transportation Arrangement	5.5	7.4	1.9	3.1
473	Freight Transportation Arrangement	7.4	10.2	2.8	3.4
	Communications and Utilities	**83.0**	**78.3**	**-4.7**	**-0.5**
48	Communications, Total	42.2	39.0	-3.2	-0.7
481	Telephone Communications	28.9	26.4	-2.5	-0.8
483	Radio and Television Broadcasting	8.2	7.9	-0.3	-0.3
484	Cable and Other Pay TV Services	5.0	4.7	-0.3	-0.5
49	Utilities and Sanitary Services, Total	40.8	39.3	-1.5	-0.3
491	Electric Services	18.3	16.6	-1.7	-0.8
492	Gas Production and Distribution	7.1	6.9	-0.2	-0.3
493	Combination Utility Services	7.5	7.2	-0.3	-0.4
495	Sanitary Services	7.1	7.8	0.7	0.9
	Trade	**1,225.2**	**1,393.4**	**168.2**	**1.2**
	Wholesale Trade	**267.0**	**291.9**	**24.9**	**0.8**
50	Wholesale Trade, Durable Goods, Total	168.6	184.2	15.6	0.8
501	Motor Vehicles, Parts and Supplies	22.3	23.7	1.4	0.6
502	Furniture and Home Furnishings	6.0	6.3	0.3	0.5
503	Lumber and Construction Materials	9.1	10.5	1.4	1.4
504	Professional and Commercial Equipment	33.6	36.4	2.8	0.8
505	Metals and Minerals, Except Petroleum	10.5	10.6	0.1	0.1
506	Electrical Goods	18.9	20.7	1.8	0.9
507	Hardware, Plumbing and Heating Equipment	12.8	14.1	1.3	0.9
508	Machinery, Equipment and Supplies	40.5	46.3	5.8	1.3
509	Miscellaneous Durable Goods	15.0	15.6	0.6	0.4
51	Wholesale Trade, Nondurable Goods, Total	98.4	107.7	9.3	0.9
511	Paper and Paper Products	10.8	11.9	1.1	0.9
512	Drugs, Proprietaries and Sundries	8.4	9.4	1.0	1.1
514	Groceries and Related Products	31.9	34.8	2.9	0.8
516	Chemicals and Allied Products	9.1	10.2	1.1	1.1
517	Petroleum and Petroleum Products	5.2	5.5	0.3	0.5
518	Beer, Wine and Distilled Beverages	5.5	6.2	0.7	1.2
519	Miscellaneous Nondurable Goods	19.2	21.0	1.8	0.9

(a) Industries with 5,000 or more employees. Reported in thousands.

State of Ohio
Industry(a) Employment Projections Report, 1994-2005

SIC Code	Industry Title	1994 Annual Employment	2005 Projected Employment	Change in Employment 1994-2005	Annual Rate of Change 1994-2005
	Retail Trade	**958.2**	**1,101.5**	**143.3**	**1.4**
52	Bldg. Materials and Garden Supplies, Total	37.9	42.2	4.3	1.0
521	Lumber and Other Building Materials	20.7	23.3	2.6	1.1
525	Hardware Stores	8.4	9.0	0.6	0.6
53	General Merchandise Stores, Total	119.8	129.3	9.5	0.7
531	Department Stores	101.9	110.0	8.1	0.7
533	Variety Stores	9.0	9.7	0.7	0.7
539	Miscellaneous General Merchandise Stores	8.9	9.6	0.7	0.7
54	Food Stores, Total	156.2	176.2	20.0	1.2
541	Grocery Stores	139.3	156.8	17.5	1.1
546	Retail Bakeries	8.4	9.5	1.1	1.2
55	Auto Dealers and Service Stations, Total	97.3	111.1	13.8	1.3
551	New and Used Car Dealers	43.5	49.8	6.3	1.3
553	Auto and Home Supply Stores	16.2	18.0	1.8	1.0
554	Gasoline Service Stations	31.5	36.1	4.6	1.3
56	Apparel and Accessories Stores, Total	46.6	58.7	12.1	2.4
562	Women's Clothing Stores	18.4	22.3	3.9	1.9
565	Family Clothing Stores	9.2	11.8	2.6	2.6
566	Shoe Stores	9.6	11.6	2.0	1.9
57	Furniture and Home Furnishings Stores, Total	36.6	46.6	10.0	2.5
571	Furniture and Home Furnishings Stores	20.2	27.2	7.0	3.2
573	Radio, Television and Computer Stores	13.8	16.5	2.7	1.8
58	Eating and Drinking Places	340.1	393.0	52.9	1.4
59	Miscellaneous Retail Stores, Total	123.7	144.4	20.7	1.5
591	Drug Stores and Proprietary Stores	30.8	35.4	4.6	1.4
592	Liquor Stores	5.2	5.9	0.7	1.2
594	Miscellaneous Shopping Goods Stores	39.3	46.0	6.7	1.5
596	Nonstore Retailers	22.4	25.6	3.2	1.3
599	Retail Stores, N.E.C.	20.7	23.6	2.9	1.3
	Finance, Insurance and Real Estate	**270.3**	**291.3**	**21.0**	**0.7**
	Finance	**127.8**	**136.5**	**8.7**	**0.6**
60	Depository Institutions, Total	87.4	88.6	1.2	0.1
602	Commercial Banks	65.7	68.5	2.8	0.4
603	Saving Institutions	14.4	13.5	-0.9	-0.6
606	Credit Unions	5.2	4.7	-0.5	-0.9
61	Nondepository Institutions, Total	18.4	18.2	-0.2	-0.1
614	Personal Credit Institutions	6.5	6.4	-0.1	-0.1
616	Mortgage Bankers and Brokers	7.5	7.5	0.0	0.0
62	Security and Commodity Brokers, Total	11.0	13.8	2.8	2.3
621	Security Brokers and Dealers	9.1	11.4	2.3	2.3
670	Holding and Other Investment Offices, Total	11.0	15.9	4.9	4.0
671	Holding Offices	8.4	12.0	3.6	3.9
	Insurance	**91.9**	**97.5**	**5.6**	**0.6**
63	Insurance Carriers, Total	69.5	73.6	4.1	0.5
631	Life Insurance	24.1	25.9	1.8	0.7
632	Medical Service and Health Insurance	10.3	12.0	1.7	1.5
633	Fire, Marine and Casualty Insurance	30.9	31.6	0.7	0.2
64	Insurance Agents, Brokers and Services	22.5	23.9	1.4	0.6

(a) Industries with 5,000 or more employees. Reported in thousands.

State of Ohio
Industry(a) Employment Projections Report, 1994-2005

SIC Code	Industry Title	1994 Annual Employment	2005 Projected Employment	Change in Employment 1994-2005	Annual Rate of Change 1994-2005
65	**Real Estate**	**50.6**	**57.3**	**6.7**	**1.2**
651	Real Estate Operators and Lessors	26.3	28.3	2.0	0.7
653	Real Estate Agents and Managers	19.0	23.2	4.2	2.0
	Services	**1,327.9**	**1,762.0**	**434.1**	**3.0**
07	Agricultural Services	25.0	35.3	10.3	3.7
074	Veterinary Services	6.3	8.5	2.2	3.2
078	Landscape and Horticultural Services	17.3	24.8	7.5	3.9
70	Hotels and Other Lodging Places, Total	37.1	42.0	4.9	1.2
701	Hotels and Motels	35.8	40.5	4.7	1.2
72	Personal Services, Total	57.8	68.5	10.7	1.7
721	Laundry, Cleaning and Garment Services	20.3	23.2	2.9	1.3
723	Beauty Shops	21.2	25.0	3.8	1.6
729	Miscellaneous Personal Services	7.0	9.5	2.5	3.2
73	Business Services, Total	264.2	413.4	149.2	5.1
731	Advertising	9.0	10.3	1.3	1.3
732	Credit Reporting and Collection	5.1	6.0	0.9	1.6
733	Mailing, Reproduction and Steno. Services	9.2	10.7	1.5	1.5
734	Services to Buildings	35.2	55.5	20.3	5.2
735	Misc. Equipment Rental and Leasing	8.8	13.3	4.5	4.6
736	Personnel Supply Services	110.9	177.2	66.3	5.4
737	Computer and Data Processing Services	33.7	53.0	19.3	5.2
738	Miscellaneous Business Services	52.3	87.4	35.1	6.1
75	Auto Repair Services and Parking, Total	41.4	58.4	17.0	3.7
751	Automotive Rentals, No Drivers	6.0	8.1	2.1	3.2
753	Automobile Repair Shops	23.0	30.5	7.5	3.0
754	Automobile Services, Except Repair	9.4	15.7	6.3	6.1
76	Miscellaneous Repair Services, Total	13.0	15.1	2.1	1.5
769	Miscellaneous Repair Shops	8.5	10.1	1.6	1.7
78	Motion Pictures	11.4	14.2	2.8	2.2
784	Video Tape Rental	5.9	7.1	1.2	1.8
79	Amusement and Recreation Services, Total	53.1	65.7	12.6	2.2
793	Bowling Centers	5.1	5.5	0.4	0.7
799	Misc. Amusement and Recreation Services	38.0	49.3	11.3	2.7
80	Health Services, Total	445.3	573.4	128.1	2.6
801	Offices and Clinics of Medical Doctors	64.0	81.3	17.3	2.5
802	Offices and Clinics of Dentists	23.7	28.2	4.5	1.7
803	Offices of Osteopathic Physicians	5.4	7.7	2.3	3.9
804	Offices of Other Health Practitioners	17.3	28.6	11.3	5.9
805	Nursing and Personal Care Facilities	98.7	147.7	49.0	4.5
806	Hospitals	194.7	219.3	24.6	1.1
807	Medical and Dental Laboratories	7.1	9.3	2.2	2.8
808	Home Health Care Services	18.8	28.0	9.2	4.4
809	Health and Allied Services, N.E.C.	15.6	23.3	7.7	4.5
81	Legal Services	29.8	37.7	7.9	2.4
82	Private Educational Services	68.1	78.5	10.4	1.4
83	Social Services, Total	96.4	144.1	47.7	4.5
832	Individual and Family Services	21.9	32.9	11.0	4.6
833	Job Training and Related Services	16.2	20.9	4.7	2.6

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State of Ohio
Industry(a) Employment Projections Report, 1994-2005

SIC Code	Industry Title	1994 Annual Employment	2005 Projected Employment	Change in Employment 1994-2005	Annual Rate of Change 1994-2005
835	Child Day Care Services	18.4	30.3	11.9	5.9
836	Residential Care	29.0	49.1	20.1	6.3
839	Social Services, N.E.C.	10.8	10.9	0.1	0.1
86	Membership Organizations, Total	87.6	90.7	3.1	0.3
863	Labor Organizations	12.1	12.7	0.6	0.5
864	Civic and Social Associations	20.7	22.0	1.3	0.6
866	Religious Organizations	46.3	46.3	0.0	0.0
87	Engineering and Management Services, Total	90.0	115.1	25.1	2.5
871	Engineering and Architectural Services	28.9	41.0	12.1	3.8
872	Accounting, Auditing and Bookkeeping	20.8	23.6	2.8	1.2
873	Research and Testing Services	16.2	18.7	2.5	1.4
874	Management and Public Relations	24.1	31.8	7.7	2.9
	Government, Total	**740.1**	**791.3**	**51.2**	**0.6**
91	Federal Government, Total	90.0	79.9	-10.1	-1.0
430	U.S. Postal Service	33.4	29.3	-4.1	-1.1
806	Federal Government Hospitals	8.3	8.2	-0.1	-0.1
919	Federal Government, exc. P.O. and Hospitals	48.2	42.4	-5.8	-1.1
92	State Government, Total	165.3	180.1	14.8	0.8
806	State Government Hospitals	14.6	13.6	-1.0	-0.6
820	State Government Education	86.0	100.4	14.4	1.5
929	State Government, except Educ. & Hospitals	64.7	66.1	1.4	0.2
93	Local Government, Total	484.8	531.3	46.5	0.9
806	Local Government Hospitals	15.6	15.7	0.1	0.1
820	Local Government Education	274.8	310.5	35.7	1.2
939	Local Government, except Educ. & Hospitals	194.5	205.1	10.6	0.5
	Agriculture(1)	101.8	95.7	-6.1	-0.5
	Private Households	16.6	13.7	-2.9	-1.6
	Nonfarm Self-employed and Unpaid Family Workers	397.3	444.5	47.2	1.1
	Total Employment(2)	**5,591.9**	**6,308.1**	**716.2**	**1.2**

(1) Excludes Agricultural Services (SICs 074,5,8), but includes Forestry and Fishing (SICs 08 and 09).
(2) Wage and salary data are from the BLS Current Employment Statistics (payroll) survey, which counts jobs, whereas self-employed, unpaid family workers, agricultural and private household data are from the Current Population (household) Survey, which counts workers.

(a) Industries with 5,000 or more employees. Reported in thousands.

State of Ohio

Occupational(*) Employment Projections Report, 1994-2005

Occupational Code	Occupational Title	1994 Annual Employment	2005 Projected Employment	Change in Employment 1994-2005	Annual Rate of Change 1994-2005	Annual Growth Openings	Net Annual Replacement Openings	Total Annual Openings
00000	Total, All Occupations	5,591,900	6,308,100	716,200	1.2	65,109	123,906	189,015
10000	Managerial Occupations	405,590	471,360	65,770	1.5	5,979	8,692	14,671
13000	Administrative Specialty Managers	102,900	123,890	20,990	1.9	1,908	2,156	4,064
13002	Financial Managers	35,990	44,650	8,660	2.2	787	709	1,496
13005	Personnel, Training, Labor Rel. Mgr.	10,490	12,710	2,220	1.9	202	247	449
13008	Purchasing Managers	10,770	11,540	770	0.6	70	227	297
13011	Marketing, Adv., Public Rel. Managers	19,930	24,610	4,680	2.1	425	431	856
13014	Administrative Services Manager	12,100	13,070	970	0.7	88	255	343
13017	Engineering, Math., Nat. Science Mgr.	13,620	17,300	3,680	2.5	335	287	622
15000	Line and Middle Management	94,580	112,680	18,100	1.7	1,645	2,111	3,756
15002	Postmasters, Mail Superintendent	990	860	-130	-1.2	-12	22	22
15005	Education Administrators	18,470	20,360	1,890	0.9	172	539	711
15008	Medicine and Health Service Managers	8,500	10,370	1,870	2.0	170	188	358
15011	Property and Real Estate Managers	9,110	10,900	1,790	1.8	163	162	325
15014	Industrial Production Managers	12,190	11,940	-250	-0.2	-23	257	257
15017	Construction Managers	9,040	12,360	3,320	3.3	302	190	492
15021	Mining and Related Managers	280	260	-20	-0.6	-2	6	6
15023	Communication, Transp., Utility Mgrs.	5,750	5,090	-660	-1.0	-60	121	121
15026	Food Service and Lodging Managers	27,770	36,860	9,090	3.0	826	585	1,411
15031	Nursery and Greenhouse Managers	1,280	1,920	640	4.5	58	21	79
15032	Lawn Service Managers	1,200	1,750	550	4.2	50	20	70
19000	Other Managers and Administrators	208,110	234,800	26,690	1.2	2,426	4,425	6,851
19002	Government Chief Exec. and Legislators	4,500	4,600	100	0.2	9	113	122
19005	General Managers and Top Executives	145,970	167,450	21,480	1.3	1,953	3,075	5,028
19999	All Other Managers and Administrators	57,640	62,750	5,110	0.8	465	1,237	1,702
20000	Professional, Paraprof., Technical Occ.	1,083,140	1,316,540	233,400	2.0	21,218	21,064	42,282
21000	Management Support Occupations	147,200	166,380	19,180	1.2	1,744	2,803	4,547
21100	Accountants, Auditors, Fin. Specialist	62,340	70,210	7,870	1.1	715	1,161	1,876
21102	Underwriters	3,580	3,860	280	0.7	25	71	96
21105	Credit Analysts	1,250	1,490	240	1.7	22	21	43
21108	Loan Officers and Counselors	8,000	9,340	1,340	1.5	122	132	254
21111	Tax Preparers	2,200	2,760	560	2.3	51	36	87
21114	Accountants and Auditors	37,680	42,510	4,830	1.2	439	742	1,181
21117	Budget Analysts	2,240	2,500	260	1.1	24	37	61
21199	All Other Financial Specialists	7,400	7,760	360	0.4	33	122	155
21300	Purchasing Agents and Buyers	16,890	17,410	520	0.3	47	400	447
21302	Wholesale, Retail Buyers, Except Farm	6,730	6,750	20	0.0	2	166	168
21305	Purchasing Agents and Buyers, Farm	710	770	60	0.8	5	16	21
21308	Purchasing Agent, Ex. Who/Ret/Farm	9,450	9,890	440	0.4	40	218	258
21500	Personnel Specialists and Related	20,460	25,150	4,690	2.1	426	417	843
21502	Claims Takers, Unemployment Benefits	1,700	1,750	50	0.3	5	41	46
21505	Special Agents, Insurance	1,410	1,500	90	0.6	8	28	36
21508	Employment Interviewers	3,050	4,540	1,490	4.4	135	61	196
21511	Personnel, Training, Labor Rel. Spec.	14,310	17,360	3,050	1.9	277	287	564
21900	Other Management Support Occupations	47,500	53,610	6,110	1.2	555	825	1,380
21902	Cost Estimators	8,310	9,890	1,580	1.7	144	99	243
21905	Management Analysts	9,590	12,000	2,410	2.3	219	133	352
21908	Construction, Building Inspector	3,840	4,350	510	1.2	46	82	128
21911	Compliance and Enforcement Inspectors	6,260	6,890	630	0.9	57	134	191
21914	Tax Examiner, Collector, Rev. Agent	2,280	2,220	-60	-0.2	-5	53	53
21917	Assessors	130	140	10	0.7	1	3	4
21921	Claims Examiners, Insurance	1,040	1,240	200	1.7	18	12	30
21999	All Other Management Support Workers	16,050	16,900	850	0.5	77	309	386
22000	Engineers, Architects and Surveyors	104,210	122,820	18,610	1.6	1,692	2,230	3,922
22100	Engineers	58,460	73,520	15,060	2.3	1,369	1,301	2,670
22102	Aeronautical and Astro. Engineers	3,390	3,810	420	1.1	38	62	100
22105	Metallurgists and Related Engineers	1,310	1,400	90	0.6	8	35	43
22111	Petroleum Engineers	130	140	10	0.7	1	3	4
22114	Chemical Engineers	2,280	2,430	150	0.6	14	61	75
22117	Nuclear Engineers	300	280	-20	-0.6	-2	8	8
22121	Civil Engineers, including Traffic	4,960	6,110	1,150	2.1	105	136	241
22126	Electrical and Electronic Engineers	10,940	13,120	2,180	1.8	198	248	446
22127	Computer Engineers	5,150	9,470	4,320	7.6	393	56	449
22128	Industrial Engineers, except Safety	5,880	6,690	810	1.3	74	152	226
22132	Safety Engineers, except Mining	740	930	190	2.3	17	19	36
22135	Mechanical Engineers	11,170	13,530	2,360	1.9	215	255	470

* Occupations with 100 or more workers.

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22138	Marine Engineers	130	180	50	3.5	5	4	9
22199	All Other Engineers	11,920	15,260	3,340	2.5	304	258	562
22300	Architects and Surveyors	5,100	6,580	1,480	2.6	135	108	243
22302	Architects, Ex. Landscape and Marine	3,620	4,510	890	2.2	81	70	151
22308	Landscape Architects	350	450	100	2.6	9	7	16
22311	Surveying and Mapping Scientists	1,130	1,620	490	3.9	45	31	76
22500	Engineering Technicians	40,650	42,720	2,070	0.5	188	821	1,009
22502	Civil Engineering Technicians	1,940	2,540	600	2.8	55	36	91
22505	Electrical and Electronic Technicians	10,390	11,810	1,420	1.2	129	228	357
22508	Industrial Engineering Technicians	1,830	1,800	-30	-0.1	-3	40	40
22511	Mechanical Engineering Technicians	3,340	3,800	460	1.3	42	73	115
22514	Drafters	13,590	13,560	-30	0.0	-3	251	251
22517	Estimators and Drafters, Utilities	280	260	-20	-0.6	-2	5	5
22521	Surveying and Mapping Technicians	2,030	1,240	-790	-3.5	-72	55	55
22599	All Other Engineering Technicians	7,250	7,700	450	0.6	41	133	174
24000	Natural Scientists and Related Occup	22,100	24,760	2,660	1.1	242	583	825
24100	Physical Scientists	7,960	9,280	1,320	1.5	120	230	350
24102	Physicists and Astronomers	370	300	-70	-1.7	-6	11	11
24105	Chemists	3,950	4,520	570	1.3	52	110	162
24111	Geologist, Geophysicist, Oceanog.	780	1,080	300	3.5	27	26	53
24199	All Other Physical Scientists	2,810	3,310	500	1.6	45	81	126
24300	Life Scientists	5,410	6,280	870	1.5	79	156	235
24302	Forester, Conservation Scientists	260	290	30	1.0	3	7	10
24305	Agricultural and Food Scientists	330	370	40	1.1	4	10	14
24308	Biological Scientists	1,140	1,440	300	2.4	27	33	60
24311	Medical Scientists	640	680	40	0.6	4	18	22
24399	All Other Life Scientists	3,050	3,500	450	1.3	41	88	129
24500	Physical and Life Science Technicians	8,730	9,210	480	0.5	44	197	241
24502	Biological, Agric., Food Technicians	990	1,100	110	1.0	10	22	32
24505	Chemical Technicians, Exc. Health	4,440	4,490	50	0.1	5	100	105
24599	All Other Science Technicians	3,270	3,580	310	0.9	28	74	102
25000	Computer and Mathematical Occupations	48,590	73,880	25,290	4.7	2,299	923	3,222
25100	Computer and Related Occupations	44,600	68,830	24,230	4.9	2,203	832	3,035
25102	Computer Systems Analysts	19,970	38,240	18,270	8.3	1,661	219	1,880
25103	Database Administrators	710	1,170	460	5.9	42	14	56
25104	Computer Support Specialists	2,030	3,440	1,410	6.3	128	22	150
25105	Computer Programmers	18,700	20,270	1,570	0.8	143	533	676
25111	Programmers: Numerical, Tool	730	720	-10	-0.1	-1	17	17
25199	All Other Computer Scientists	2,460	5,000	2,540	9.4	231	27	258
25300	Mathematical Scientists, Research Anal.	3,990	5,050	1,060	2.4	96	91	187
25302	Operations and Research Analysts	1,570	2,320	750	4.3	68	42	110
25310	Mathematical Scientists	210	220	10	0.4	1	4	5
25312	Statisticians	320	340	20	0.6	2	7	9
25313	Actuaries	760	880	120	1.4	11	16	27
25315	Financial Analysts, Statistical	870	1,020	150	1.6	14	17	31
25319	Mathematical Scientists, All Other	260	270	10	0.3	1	5	6
27000	Social Scientists, Recr., Religion	85,450	107,910	22,460	2.4	2,042	1,671	3,713
27100	Social Scientists	11,530	13,870	2,340	1.8	213	156	369
27102	Economists	1,020	1,190	170	1.5	15	36	51
27105	Urban and Regional Planners	570	670	100	1.6	9	13	22
27108	Psychologists	9,130	11,190	2,060	2.1	187	88	275
27199	All Other Social Scientists	810	820	10	0.1	1	19	20
27300	Social, Recreation, Religion Workers	73,920	94,040	20,120	2.5	1,829	1,515	3,344
27302	Social Worker, Med. and Psychiatric	12,430	16,640	4,210	3.1	383	247	630
27305	Social Workers, Ex. Med. and Psych.	12,790	15,910	3,120	2.2	284	254	538
27307	Residential Counselors	5,450	8,840	3,390	5.7	308	115	423
27308	Human Services Workers	10,880	17,220	6,340	5.3	576	263	839
27311	Recreation Workers	9,940	11,920	1,980	1.8	180	195	375
27502	Clergy	17,690	18,540	850	0.4	77	348	425
27505	Directors, Religious Activ./Education	4,750	4,970	220	0.4	20	93	113
28000	Law and Related Occupations	34,280	40,820	6,540	1.7	595	443	1,038
28100	Lawyers and Judicial Workers	26,840	31,490	4,650	1.6	423	360	783
28102	Judges and Magistrates	1,190	1,250	60	0.5	5	17	22
28105	Adjudicators and Hearing Officers	1,550	1,490	-60	-0.4	-5	22	22
28108	Lawyers	24,100	28,760	4,660	1.8	424	321	745
28300	Legal Assistants and Technicians	7,450	9,340	1,890	2.3	172	83	255

* Occupations with 100 or more workers

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28302	Law Clerks	1,870	2,100	230	1.1	21	25	46
28305	Paralegal Personnel	2,520	3,830	1,310	4.7	119	26	145
28308	Title Searchers	270	270	0	0.0	0	3	3
28311	Title Examiners and Abstractors	950	930	-20	-0.2	-2	10	10
28399	All Other Legal Assistants	1,840	2,220	380	1.9	35	19	54
31000	Teachers, Librarians, Counselors	278,230	330,910	52,680	1.7	4,789	5,830	10,619
31100	College and University Faculty	37,030	42,560	5,530	1.4	503	1,127	1,630
31111	Lecturers	720	980	260	3.3	24	13	37
31114	Nursing Instructors	1,910	2,190	280	1.3	25	41	66
31117	Graduate Assistants, Teaching	590	680	90	1.4	8	18	26
31202	Life Science Teachers	5,400	6,190	790	1.3	72	169	241
31204	Chemistry Teachers	640	740	100	1.4	9	20	29
31206	Physics Teachers	450	510	60	1.2	5	14	19
31209	All Other Physical Science Teachers	480	550	70	1.3	6	15	21
31210	Social Science Teachers	4,080	4,670	590	1.3	54	127	181
31212	Health Specialties Teachers	2,220	2,540	320	1.3	29	69	98
31216	English and Foreign Lang. Teachers	3,680	4,220	540	1.3	49	115	164
31218	Art, Drama, and Music Teachers	2,520	2,890	370	1.3	34	79	113
31222	Engineering Teachers	2,270	2,600	330	1.3	30	71	101
31224	Mathematical Science Teachers	1,480	1,690	210	1.3	19	46	65
31226	Computer Science Teachers	750	850	100	1.2	9	23	32
31299	All Other Postsecondary Teachers	9,840	11,260	1,420	1.3	129	307	436
31300	Other Teachers and Instructors	208,460	249,800	41,340	1.8	3,758	4,124	7,882
31302	Teachers, Preschool & Kindergarten	19,550	26,200	6,650	3.1	605	360	965
31305	Teachers, Elementary	68,710	74,460	5,750	0.8	523	1,467	1,990
31308	Teachers, Secondary School	59,400	71,930	12,530	1.9	1,139	1,626	2,765
31311	Teachers, Special Education	18,440	26,480	8,040	4.0	731	305	1,036
31314	Teachers, Vocational Education	7,910	9,500	1,590	1.8	145	68	213
31317	Instructors, Nonvocational Education	9,140	11,360	2,220	2.2	202	79	281
31321	Instructors and Coaches, Sports	11,100	13,580	2,480	2.0	225	96	321
31323	Farm and Home Management Advisors	480	470	-10	-0.2	-1	4	4
31399	All Other Teachers and Instructors	13,750	15,840	2,090	1.4	190	119	309
31500	Librarians, Archivists and Rel. Workers	32,730	38,550	5,820	1.6	529	579	1,108
31502	Librarians, Professional	6,050	6,090	40	0.1	4	134	138
31505	Technical Assistants, Library	3,050	3,530	480	1.4	44	73	117
31508	Audio-Visual Specialists	650	740	90	1.3	8	8	16
31511	Curators, Archivists, Museum Tech	560	720	160	2.6	15	14	29
31514	Counselors	7,240	8,720	1,480	1.9	135	153	288
31517	Instructional Coordinators	3,430	3,880	450	1.2	41	30	71
31521	Teachers Aides, Paraprofessional	11,750	14,860	3,110	2.4	283	167	450
32000	Health Practitioners and Technicians	266,630	329,890	63,260	2.2	5,751	4,645	10,396
32100	Health Diagnosing Occupations	41,420	47,620	6,200	1.4	564	782	1,346
32102	Physicians	27,170	32,050	4,880	1.6	444	447	891
32105	Dentists	7,860	7,680	-180	-0.2	-16	203	203
32108	Optometrists	1,410	1,550	140	0.9	13	29	42
32111	Podiatrists	640	780	140	2.0	13	13	26
32113	Chiropractors	1,800	2,360	560	2.8	51	37	88
32114	Veterinarians, Veterinary Inspectors	2,070	2,610	540	2.4	49	43	92
32199	All Other Health Practitioners	470	590	120	2.3	11	10	21
32300	Therapists	17,350	25,230	7,880	4.1	716	303	1,019
32302	Respiratory Therapists	3,640	4,920	1,280	3.2	116	64	180
32305	Occupational Therapists	2,150	3,590	1,440	6.1	131	38	169
32308	Physical Therapists	3,340	5,690	2,350	6.4	214	58	272
32314	Speech Pathologists and Audiologists	4,310	5,960	1,650	3.5	150	75	225
32317	Recreational Therapists	2,700	3,030	330	1.1	30	47	77
32399	All Other Therapists	1,130	1,920	790	6.4	72	20	92
32500	Health Assessment and Treatment	158,650	195,530	36,880	2.1	3,353	2,669	6,022
32502	Registered Nurses	93,020	112,830	19,810	1.9	1,801	1,387	3,188
32505	Licensed Practical Nurses	35,150	44,910	9,760	2.5	887	684	1,571
32508	Emergency Medical Technicians	9,450	12,300	2,850	2.7	259	175	434
32511	Physician Assistants	2,560	3,100	540	1.9	49	42	91
32514	Opticians, Dispensing and Measuring	3,090	3,710	620	1.8	56	72	128
32517	Pharmacists	6,700	7,900	1,200	1.6	109	109	218
32518	Pharmacy Technicians	4,510	5,750	1,240	2.5	113	84	197
32521	Dietitians and Nutritionists	2,920	3,380	460	1.4	42	81	123
32523	Dietetic Technicians	1,250	1,660	410	3.0	37	35	72

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32900	Health Technicians and Technologists	49,200	61,510	12,310	2.3	1,119	891	2,010
32902	Med./Clinical Lab. Technologists	6,830	7,040	210	0.3	19	133	152
32905	Med./Clinical Lab. Technicians	4,840	5,250	410	0.8	37	94	131
32908	Dental Hygienists	5,750	7,600	1,850	2.9	168	107	275
32911	Medical Records Techn.	3,720	5,720	2,000	4.9	182	69	251
32914	Nuclear Medicine Technologists	630	790	160	2.3	15	9	24
32917	Radiologic Technologists	4,280	5,570	1,290	2.7	117	63	180
32921	Radiologic Technicians	2,610	3,570	960	3.3	87	38	125
32923	EEG Technologists	290	360	70	2.2	6	5	11
32925	Cardiology Technologists	580	700	120	1.9	11	11	22
32926	EKG Technicians	850	580	-270	-2.9	-25	16	16
32928	Surgical Technicians	2,180	3,240	1,060	4.4	96	40	136
32931	Psychiatric Technicians	1,910	1,940	30	0.1	3	29	32
32951	Veterinary Technicians and Technol	870	1,180	310	3.2	28	20	48
32999	All Other Health Prof., Para., Tech.	13,870	17,960	4,090	2.7	372	257	629
34000	Writer, Artist, Entertainer, Athlete	65,190	77,560	12,370	1.7	1,125	1,244	2,369
34002	Writers and Editors	8,360	9,530	1,170	1.3	106	155	261
34005	Technical Writers	1,820	2,370	550	2.7	50	40	90
34008	Public Relations Specialists	3,850	4,400	550	1.3	50	81	131
34011	Reporters and Correspondents	2,550	2,540	-10	0.0	-1	56	56
34014	Broadcast News Analysts	250	250	0	0.0	0	9	9
34017	Announcers, Radio and TV	1,600	1,610	10	0.1	1	56	57
34023	Photographers	4,750	5,200	450	0.9	41	95	136
34026	Camera Operators, TV and Movies	240	220	-20	-0.8	-2	5	5
34028	Broadcast Technicians	1,290	1,090	-200	-1.4	-18	31	31
34032	Film Editors	120	120	0	0.0	0	3	3
34035	Artists and Related Workers	14,780	18,310	3,530	2.2	321	286	607
34038	Designers, except Interior Designers	11,250	15,140	3,890	3.1	354	169	523
34041	Interior Designers	2,160	2,540	380	1.6	35	32	67
34044	Merchandise Displayers	2,090	2,360	270	1.2	25	31	56
34047	Music Directors, Singers, and Related	3,280	3,460	180	0.5	16	53	69
34051	Musicians, Instrumental	2,780	3,640	860	2.8	78	45	123
34053	Dancers and Choreographers	790	990	200	2.3	18	16	34
34056	Prod., Direct., Actors, Entertainers	1,640	2,070	430	2.4	39	34	73
34058	Athlete, Coach, Umpire and Related	1,550	1,680	130	0.8	12	45	57
39000	Other Professional, Paraprof, Technical	31,270	41,610	10,340	3.0	940	692	1,632
39002	Air Traffic Controllers	980	940	-40	-0.4	-4	23	23
39005	Traffic Technicians	130	130	0	0.0	0	3	3
39008	Radio Operators	150	150	0	0.0	0	4	4
39011	Funeral Directors and Morticians	2,280	2,570	290	1.2	26	56	82
39014	Embalmers	730	840	110	1.4	10	17	27
39999	All Other Prof., Paraprof., Technical	26,990	36,980	9,990	3.4	908	589	1,497
40000	Marketing and Sales Occupations	658,310	760,600	102,290	1.4	9,299	18,395	27,694
41002	Marketing & Sales, Supervisors	100,980	118,930	17,950	1.6	1,632	1,818	3,450
43000	Marketing & Sales, Service	58,380	68,590	10,210	1.6	928	1,171	2,099
43002	Insurance Sales Workers	19,220	20,940	1,720	0.8	156	316	472
43005	Brokers, Real Estate	970	1,180	210	2.0	19	18	37
43008	Sales Agents, Real Estate	8,230	9,570	1,340	1.5	122	154	276
43011	Real Estate Appraisers	1,600	1,890	290	1.6	26	30	56
43014	Securities and Financial Service Sales	8,690	11,320	2,630	2.8	239	130	369
43017	Sales Agents, Business Services	8,680	10,830	2,150	2.3	195	231	426
43021	Travel Agents	4,000	5,110	1,110	2.5	101	95	196
43023	Sales Agents, Advertising	5,370	5,610	240	0.4	22	146	168
43099	All Other Service Sales Occupations	1,630	2,140	510	2.8	46	51	97
49000	Commodity Sales Occupations	498,940	573,090	74,150	1.4	6,741	15,406	22,147
49002	Sales Engineers	4,010	4,150	140	0.3	13	147	160
49005	Sales Reps, Scientif. Prod. Exc. Ret.	22,090	24,010	1,920	0.8	175	552	727
49008	Sales Reps, Exc. Scientific and Retail	54,830	60,140	5,310	0.9	483	1,370	1,853
49011	Salespersons, Retail	179,020	210,470	31,450	1.6	2,859	5,391	8,250
49014	Salespersons, Parts	10,960	12,390	1,430	1.2	130	310	440
49017	Counter and Rental Clerks	13,390	17,180	3,790	2.6	345	386	731
49021	Stock Clerks, Sales Floor	48,720	51,000	2,280	0.4	207	956	1,163
49023	Cashiers	126,140	149,430	23,290	1.7	2,117	5,108	7,225
49026	Vendors, Solicitors, Door-To-Door Sale	20,140	22,160	2,020	0.9	184	496	680
49032	Demonstrators, Promoters, Models	1,690	2,000	310	1.7	28	60	88
49999	All Other Sales and Related Occupations	17,940	20,160	2,220	1.1	202	630	832

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50000	Administrative Support Occup., Clerical	879,480	905,040	25,560	0.3	2,324	17,264	19,588
51002	Clerical Supervisors	49,070	58,980	9,910	1.8	901	1,239	2,140
53000	Industry Specific Support Occupations	128,840	139,990	11,150	0.8	1,014	2,785	3,799
53100	Banking, Security, Finance, and Credit	57,150	58,170	1,020	0.2	93	1,437	1,530
53102	Bank Tellers	26,420	21,380	-5040	-1.7	-458	1,003	1,003
53105	New Accounts Clerks	3,520	4,110	590	1.5	54	101	155
53108	Transit Clerks	430	290	-140	-3.0	-13	17	17
53111	Loan Interviewers	620	660	40	0.6	4	10	14
53114	Credit Authorizers	780	970	190	2.2	17	9	26
53117	Credit Checkers	1,490	1,240	-250	-1.5	-23	15	15
53121	Loan and Credit Clerks	5,900	5,770	-130	-0.2	-12	91	91
53123	Adjustment Clerks	15,550	21,580	6,030	3.5	548	159	707
53126	Statement Clerks	890	640	-250	-2.6	-23	12	12
53128	Brokerage Clerks	1,550	1,520	-30	-0.2	-3	20	20
53300	Insurance Industry Occupations	19,880	21,910	2,030	0.9	185	239	424
53302	Insurance Adjusters and Investigators	5,860	7,140	1,280	2.0	116	65	181
53305	Insurance Appraisers, Auto Damage	140	150	10	0.6	1	2	3
53308	Insurance Examining Clerks	1,230	1,220	-10	-0.1	-1	16	16
53311	Insurance Claims Clerks	4,600	5,390	790	1.6	72	51	123
53314	Insurance Policy Processing Clerks	8,040	8,020	-20	0.0	-2	105	105
53500	Investigative and Related Workers	15,790	18,520	2,730	1.6	248	171	419
53502	Welfare Eligibility Workers	3,880	3,340	-540	-1.3	-49	55	55
53505	Investigators, Clerical	430	520	90	1.9	8	4	12
53508	Bill and Account Collectors	11,470	14,660	3,190	2.5	290	112	402
53700	Court, Municipal and License Clerks	4,140	4,490	350	0.8	32	50	82
53702	Court Clerks	3,020	3,420	400	1.2	36	36	72
53705	Municipal Clerks	960	910	-50	-0.5	-5	12	12
53708	License Clerks	160	170	10	0.6	1	2	3
53800	Lodging and Travel Workers	7,990	8,370	380	0.4	35	277	312
53802	Travel Clerks	940	1,050	110	1.1	10	22	32
53805	Reservation and Trans. Ticket Agents	3,000	2,540	-460	-1.4	-42	71	71
53808	Hotel Desk Clerks	4,050	4,790	740	1.7	67	184	251
53900	Other Industry Specific Workers	23,900	28,530	4,630	1.8	421	611	1,032
53902	Library Assistants and Bookmobile	9,240	9,180	-60	-0.1	-5	381	381
53905	Teacher Aides and Educ. Assistants	12,490	17,160	4,670	3.4	425	177	602
53908	Advertising Clerks	640	690	50	0.7	5	14	19
53911	Proofreaders and Copy Markers	870	780	-90	-0.9	-8	24	24
53914	Real Estate Clerks	650	720	70	1.0	6	15	21
55000	Secretarial and General Office Occ	482,300	496,930	14,630	0.3	1,330	9,213	10,543
55100	Secretaries	143,490	158,010	14,520	0.9	1,320	2,520	3,840
55102	Legal Secretaries	10,100	11,790	1,690	1.5	154	177	331
55105	Medical Secretaries	12,410	14,740	2,330	1.7	212	218	430
55108	Secretaries, Exc. Legal and Medical	120,980	131,480	10,500	0.8	955	2,125	3,080
55300	General Office Occupations	338,810	338,920	110	0.0	10	6,693	6,703
55302	Stenographers	5,490	5,150	-340	-0.6	-31	96	96
55305	Receptionists and Information Clerks	40,600	52,880	12,280	2.7	1,116	790	1,906
55307	Typists, including Word Processing	27,120	19,310	-7810	-2.6	-710	289	289
55314	Personnel Clerks, except Payroll	4,530	3,640	-890	-1.8	-81	94	94
55317	Correspondence Clerks	890	850	-40	-0.4	-4	19	19
55321	File Clerks	8,550	6,400	-2150	-2.3	-195	289	289
55323	Order Clerks: Materials or Service	14,090	15,230	1,140	0.7	104	300	404
55326	Procurement Clerks	3,090	2,870	-220	-0.6	-20	61	61
55328	Statistical Clerks	3,500	3,260	-240	-0.6	-22	34	34
55332	Interviewing Clerks, Ex. Personnel	2,790	3,310	520	1.7	47	80	127
55335	Customer Service Reps, Utilities	4,610	5,240	630	1.2	57	98	155
55338	Bookkeeping and Accounting Clerks	84,380	76,910	-7470	-0.8	-679	1,320	1,320
55341	Payroll and Timekeeping Clerks	7,170	6,540	-630	-0.8	-57	141	141
55344	Billing, Cost and Rate Clerks	13,350	13,380	30	0.0	3	376	379
55347	General Office Clerks	118,660	123,970	5,310	0.4	483	2,706	3,189
56000	Elec. Data Proc. and Off. Machine Occ.	40,040	30,100	-9940	-2.3	-904	716	716
56002	Bill, Post, Calculate Mach. Operators	5,570	1,900	-3670	-6.0	-334	230	230
56005	Duplicating Machine Operators	930	760	-170	-1.7	-15	37	37
56008	Mail Machine Operators	2,280	2,040	-240	-1.0	-22	92	92
56011	Computer Operators, Exc. Peripheral	9,790	6,110	-3680	-3.4	-335	151	151
56014	Peripheral EDP Equipment Operators	1,100	550	-550	-4.5	-50	17	17
56017	Data Entry Keyers, except Composing	17,890	17,090	-800	-0.4	-73	109	109

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56021	Data Entry Keyers, Composing	600	200	-400	-6.1	-36	4	4
56099	All Other Office Machine Operators	1,890	1,480	-410	-2.0	-37	76	76
57000	Communications Equipment Operators	40,620	37,560	-3060	-0.7	-278	946	946
57100	Telephone Operators	13,760	11,910	-1850	-1.2	-168	279	279
57102	Switchboard Operators	11,760	11,180	-580	-0.4	-53	239	239
57105	Directory Assistance Operators	890	270	-620	-6.3	-56	18	18
57108	Central Office Operators	840	260	-580	-6.3	-53	17	17
57111	Telegraph and Teletype Operators	150	120	-30	-1.8	-3	3	3
57199	All Other Communication Operators	110	80	-30	-2.5	-3	2	2
57300	Mail and Message Distribution Workers	26,860	25,660	-1200	-0.4	-109	667	667
57302	Mail Clerks, except Mail Machine	5,340	5,130	-210	-0.4	-19	141	141
57305	Postal Mail Carriers	14,390	13,320	-1070	-0.7	-97	382	382
57308	Postal Service Clerks	2,480	2,410	-70	-0.3	-6	47	47
57311	Messengers	4,660	4,800	140	0.3	13	97	110
58000	Mat. Recording, Scheduling, Dist. Wkr	116,610	120,620	4,010	0.3	365	2,100	2,465
58002	Dispatchers: Police, Fire, Ambulance	4,850	5,120	270	0.5	25	72	97
58005	Dispatchers: Exc. Police, Fire, Amb	6,030	7,010	980	1.5	89	90	179
58008	Production, Expediting Clerks	11,690	12,180	490	0.4	45	224	269
58011	Transportation Agents	630	700	70	1.0	6	7	13
58014	Meter Readers, Utilities	2,450	2,000	-450	-1.7	-41	56	56
58017	Weighers, Measurers, Checkers	2,160	2,190	30	0.1	3	45	48
58021	Marking Clerks	1,560	1,720	160	0.9	15	35	50
58023	Stock Clerks: Stockroom or Warehouse	29,340	29,320	-20	0.0	-2	576	576
58026	Order Fillers, Sales	11,630	12,860	1,230	1.0	112	248	360
58028	Traffic, Shipping, and Recv. Clerks	41,080	41,980	900	0.2	82	629	711
58099	All Other Material Workers	5,210	5,560	350	0.6	32	118	150
59999	All Other Clerical and Admin. Support	22,000	20,860	-1140	-0.5	-104	265	265
60000	Service Occupations	864,970	1,040,950	175,980	1.8	15,998	21,813	37,811
61000	First Line Supervisors, Service	47,580	53,950	6,370	1.2	579	1,267	1,846
61002	Fire Fighting and Prev. Supervisors	1,640	1,720	80	0.4	7	69	76
61005	Police and Detective Supervisors	4,080	4,230	150	0.3	14	184	198
61008	Housekeepers, Institutional	7,370	8,690	1,320	1.6	120	203	323
61099	All Other Service Supervisors	34,500	39,310	4,810	1.3	437	811	1,248
62000	Private Household Occupations	13,970	11,710	-2260	-1.5	-205	351	351
62021	Cooks, Private Household	180	90	-90	-4.5	-8	3	3
62031	Housekeepers & Butlers, Pvt. House	480	290	-190	-3.6	-17	8	8
62041	Child Care Workers, Private Household	5,530	5,340	-190	-0.3	-17	206	206
62061	Cleaners and Servants, Private House	7,730	5,950	-1780	-2.1	-162	133	133
63000	Protective Service Occupations	83,460	111,230	27,770	3.0	2,525	2,361	4,886
63002	Fire Inspectors	250	260	10	0.4	1	9	10
63008	Fire Fighters	8,370	9,650	1,280	1.4	116	341	457
63011	Police Detectives	1,770	2,060	290	1.5	26	73	99
63014	Police Patrol Officers	16,330	19,970	3,640	2.0	331	666	997
63017	Correction Officers and Jailers	12,650	18,650	6,000	4.3	545	196	741
63023	Bailiffs	1,750	1,840	90	0.5	8	37	45
63028	Criminal Investigators, Federal	310	360	50	1.5	5	13	18
63032	Sheriffs and Deputy Sheriffs	3,190	4,010	820	2.3	75	67	142
63035	Detectives and Investigators	2,110	2,770	660	2.8	60	39	99
63041	Fish and Game Wardens	140	130	-10	-0.6	-1	3	3
63044	Crossing Guards	1,480	1,610	130	0.8	12	36	48
63047	Guards	32,770	47,030	14,260	4.0	1,296	611	1,907
63099	All Other Protective Service Workers	2,190	2,750	560	2.3	51	267	318
65000	Food and Beverage Occupations	377,930	429,120	51,190	1.2	4,654	11,512	16,166
65002	Hosts and Hostesses: Restaurant/Lounge	12,210	14,210	2,000	1.5	182	346	528
65005	Bartenders	14,460	13,370	-1090	-0.7	-99	464	464
65008	Waiters and Waitresses	99,580	126,070	26,490	2.4	2,408	4,511	6,919
65011	Food Servers	3,420	3,190	-230	-0.6	-21	220	220
65014	Dining Room and Bartender Helpers	22,070	22,000	-70	0.0	-6	861	861
65017	Counter Attendants	19,290	18,450	-840	-0.4	-76	1,244	1,244
65021	Bakers, Bread and Pastry	7,080	9,000	1,920	2.5	175	178	353
65023	Butchers and Meat Cutters	6,460	5,920	-540	-0.8	-49	153	153
65026	Cooks, Restaurant	33,100	38,900	5,800	1.6	527	833	1,360
65028	Cooks, Institution or Cafeteria	20,440	20,510	70	0.0	6	514	520
65032	Cooks, Fast Food	18,460	20,850	2,390	1.2	217	464	681
65035	Cooks, Short Order	7,780	8,920	1,140	1.3	104	196	300
65038	Food Preparation Workers	63,940	75,210	11,270	1.6	1,025	735	1,760

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65041	Food Preparation and Service Fast Food	40,090	41,090	1,000	0.2	91	461	552
65099	All Other Food Service Workers	9,580	11,430	1,850	1.8	168	332	500
66000	Health Service Occupations	114,640	164,210	49,570	3.9	4,506	1,991	6,497
66002	Dental Assistants	7,260	9,610	2,350	2.9	214	211	425
66005	Medical Assistants	9,770	15,030	5,260	4.9	478	181	659
66008	Nursing Aides and Orderlies	64,420	88,520	24,100	3.4	2,191	975	3,166
66011	Home Health Aides	15,350	26,700	11,350	6.7	1,032	232	1,264
66014	Psychiatric Aides	5,770	6,120	350	0.6	32	87	119
66017	Physical, Correc. Therapy Assistants	2,750	4,840	2,090	6.9	190	74	264
66021	Occupational Therapy Assistants	710	1,360	650	8.3	59	15	74
66023	Ambulance Drivers and Attendants	440	510	70	1.4	6	12	18
66026	Pharmacy Assistants	2,360	2,870	510	2.0	46	49	95
66099	All Other Health Service Workers	5,790	8,640	2,850	4.5	259	155	414
67000	Cleaning and Building Service Occup	136,520	157,730	21,210	1.4	1,928	2,476	4,404
67002	Maids and Housekeeping Cleaners	30,050	36,040	5,990	1.8	545	483	1,028
67005	Janitors and Cleaners	96,850	110,960	14,110	1.3	1,283	1,817	3,100
67008	Pest Controllers and Assistants	2,030	2,800	770	3.4	70	39	109
67099	All Other Clean and Building Serv Wrk	7,460	7,780	320	0.4	29	135	164
68000	Personal Service Occupations	80,940	101,240	20,300	2.3	1,845	1,638	3,483
68002	Barbers	3,040	3,240	200	0.6	18	87	105
68005	Hairdressers and Cosmetologists	34,660	39,690	5,030	1.3	457	816	1,273
68008	Manicurists	2,300	3,770	1,470	5.8	134	54	188
68011	Shampooers	490	530	40	0.7	4	11	15
68014	Amusement and Recreation Attendants	6,060	8,630	2,570	3.9	234	188	422
68017	Guides	1,190	1,420	230	1.8	21	37	58
68021	Ushers, Lobby Att., Ticket Takers	1,450	1,910	460	2.9	42	45	87
68023	Baggage Porters and Bellhops	950	1,070	120	1.1	11	20	31
68026	Flight Attendants	380	480	100	2.4	9	8	17
68032	Wardrobe and Dressing Room Attendants	210	280	70	3.0	6	5	11
68035	Personal Home Care Aides	2,400	4,430	2,030	7.7	185	58	243
68038	Child Care Workers	26,990	34,910	7,920	2.7	720	291	1,011
68041	Funeral Attendants	740	830	90	1.1	8	16	24
69999	All Other Service Workers	9,930	11,760	1,830	1.7	166	217	383
70000	Agriculture, Forestry, Fishing Occupations	139,920	144,430	4,510	0.3	410	2,285	2,695
71000	Farm Operators, Managers, Supervisors	81,590	76,690	-4900	-0.5	-445	1,179	1,179
71002	Farmers	75,100	70,430	-4670	-0.6	-425	1,069	1,069
71005	Farm Managers	6,490	6,270	-220	-0.3	-20	110	110
72002	First Line Superv., Ag., Forest, Fish	2,340	2,470	130	0.5	12	42	54
73000	Forestry and Logging Occupations	720	780	60	0.8	5	20	25
73002	Fallers and Buckers	230	250	20	0.8	2	7	9
73008	Log Handling Equipment Operators	420	460	40	0.9	4	12	16
79000	Other Agric., Forestry and Fishing Occup	55,160	64,380	9,220	1.5	838	1,042	1,880
79002	Forest and Conservation Workers	1,110	1,210	100	0.8	9	32	41
79005	Nursery Workers	2,700	3,360	660	2.2	60	62	122
79011	Graders and Sorters, Agric. Products	1,250	1,310	60	0.4	5	23	28
79016	Animal Trainers	110	150	40	3.3	4	2	6
79017	Animal Caretakers, except Farm	4,020	5,380	1,360	3.1	124	97	221
79021	Farm Equipment Operators	10,610	10,050	-560	-0.5	-51	245	245
79030	Gardeners and Groundskeepers, ex. Farm	19,030	21,700	2,670	1.3	243	265	508
79033	Pruners	2,090	3,020	930	4.0	85	40	125
79036	Sprayers/Applicators	1,310	1,900	590	4.1	54	18	72
79038	Lawn Maintenance Workers	4,490	6,510	2,020	4.1	184	62	246
79806	Veterinary Assistants	1,310	1,780	470	3.3	43	31	74
79855	General Farm Workers, Agricultrl	220	220	0	0.0	0	5	5
79999	All Other Agric., Forest, Fishing Wkr	6,740	7,600	860	1.2	78	156	234
80000	Precision Production, Craft and Repair Occs	613,070	658,200	45,130	0.7	4,103	13,039	17,142
81000	Blue Collar Worker Supervisors	94,440	96,460	2,020	0.2	184	2,103	2,287
81002	First Line Superv., Mech. and Repair	17,110	18,330	1,220	0.6	111	354	465
81005	First Line Superv., Const., Extractive	18,260	18,940	680	0.3	62	449	511
81008	First Line Superv., Production	39,530	37,320	-2210	-0.5	-201	833	833
81011	First Line Superv., Transportation	5,080	4,800	-280	-0.5	-25	130	130
81017	First Line Superv., Helpers, Laborers	5,930	6,790	860	1.3	78	152	230
81099	All Other First Line Supervisors	8,520	10,280	1,760	1.9	160	185	345
83000	Inspectors, Testers and Graders	37,590	36,890	-700	-0.2	-64	700	700
83002	Inspectors, Testers, Graders, Prec.	12,160	12,380	220	0.2	20	263	283
83005	Production Inspectors and Graders	23,320	21,950	-1370	-0.5	-125	401	401

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83008	Transportation Inspectors	430	490	60	1.3	5	7	12
83099	All Other Inspectors and Testers	1,690	2,080	390	2.1	35	29	64
85000	Machinery Mechanics, Install, Repair	226,260	252,720	26,460	1.1	2,405	5,215	7,620
85100	Machinery Mechanics, Installers, Repairers	97,180	108,390	11,210	1.0	1,019	2,137	3,156
85111	Industrial Machinery Mechanics	17,100	18,560	1,460	0.8	133	451	584
85112	Machinery Mechanics: Textile	150	180	30	1.8	3	4	7
85113	Machinery Mechanics: Sewing Machines	120	160	40	3.0	4	3	7
85117	Machinery Mechanics: Mining	160	120	-40	-2.3	-4	4	4
85118	Machinery Mechanics: Plant	2,540	2,810	270	1.0	25	67	92
85119	All Other Machinery Mechanics	2,090	2,200	110	0.5	10	55	65
85123	Millwrights	7,470	6,640	-830	-1.0	-75	156	156
85126	Refractory Material Repairers	270	230	-40	-1.3	-4	7	7
85128	Machinery Maintenance Workers	4,730	4,840	110	0.2	10	125	135
85132	Maintenance Repairers, Gen. Utility	62,470	72,560	10,090	1.5	917	1,263	2,180
85300	Vehicle and Mobile Equipment Mechanics	64,970	77,130	12,160	1.7	1,105	1,638	2,743
85302	Automotive Mechanics	32,430	39,310	6,880	1.9	625	875	1,500
85305	Automotive Body and Related Repairers	8,540	10,260	1,720	1.8	156	212	368
85308	Motorcycle Repairers	470	610	140	2.7	13	12	25
85311	Bus, Truck, Diesel Engine Mechanics	12,480	14,790	2,310	1.7	210	250	460
85314	Mobile Heavy Equipment Mechanics	3,970	4,470	500	1.1	45	97	142
85317	Rail Car Repairers	840	690	-150	-1.6	-14	21	21
85321	Farm Equipment Mechanics	1,710	2,060	350	1.9	32	42	74
85323	Aircraft Mechanics	2,680	2,950	270	0.9	25	81	106
85326	Aircraft Engine Specialists	420	420	0	0.0	0	13	13
85328	Small Engine Specialists	1,420	1,590	170	1.1	15	35	50
85500	Communications Equipment Mechanics	4,420	3,210	-1210	-2.5	-110	82	82
85502	Central Office and PBX Install/Repair	2,840	1,780	-1060	-3.4	-96	46	46
85505	Frame Wirers, Central Office	270	240	-30	-1.0	-3	4	4
85514	Radio Mechanics	230	190	-40	-1.6	-4	6	6
85599	All Other Commun. Equipment Mechanics	920	860	-60	-0.6	-5	23	23
85700	Electrical and Electronic Equip. Mechanics	22,650	22,370	-280	-0.1	-25	512	512
85702	Telephone and Cable TV Install/Repair	5,700	5,080	-620	-1.0	-56	106	106
85705	Data Processing Equipment Repairers	2,380	3,160	780	3.0	71	64	135
85708	Elec. Home Entertainment Eq. Repair	1,550	1,320	-230	-1.3	-21	40	40
85711	Electr. Home Appliance and Power Tool	3,040	2,800	-240	-0.7	-22	73	73
85714	Electric Motor Repairers	930	890	-40	-0.4	-4	21	21
85717	Electronics Repairers, Comm. and Ind.	2,110	2,180	70	0.3	6	54	60
85721	Powerhouse and Relay Electricians	420	390	-30	-0.6	-3	11	11
85723	Electrical Powerline Install/Repair	3,960	4,270	310	0.7	28	89	117
85726	Teleph. Station Install. and Repair	740	220	-520	-6.4	-47	12	12
85728	Electrical Installers and Repairers	530	520	-10	-0.2	-1	12	12
85799	All Other Electric., Electro. Mech.	1,290	1,540	250	1.8	23	30	53
85900	Other Mechanics, Installers, Repairers	37,030	41,630	4,600	1.1	418	846	1,264
85902	Heating, A/C, Refrig. Mechanics	10,720	14,590	3,870	3.3	352	242	594
85905	Precision Instrument Repairers	2,400	2,250	-150	-0.6	-14	60	60
85908	Electromedical and Biomed. Repairers	490	560	70	1.3	6	10	16
85911	Electric Meter Installers/Repairers	530	430	-100	-1.7	-9	13	13
85917	Watchmakers	290	280	-10	-0.3	-1	7	7
85921	Musical Instrument Repairers and Tune	240	250	10	0.4	1	6	7
85923	Locksmiths and Safe Repairers	630	660	30	0.4	3	16	19
85926	Office Machine, Register Servicers	1,940	2,120	180	0.8	16	76	92
85928	Mechanical Control Instal. and Repair	1,040	990	-50	-0.4	-5	26	26
85932	Elevator Installers and Repairers	610	710	100	1.5	9	15	24
85935	Riggers	270	270	0	0.0	0	5	5
85938	Mobile Home Installers and Repairers	1,010	1,130	120	1.1	11	20	31
85944	Gas Appliance Repairers	340	310	-30	-0.8	-3	8	8
85947	Coin and Vending Machine Servicers	1,340	1,230	-110	-0.7	-10	27	27
85951	Bicycle Repairers	1,220	1,200	-20	-0.1	-2	25	25
85953	Tire Repairers and Changers	3,000	3,330	330	1.0	30	85	115
85956	Menders, Garments and Linens	210	240	30	1.3	3	4	7
85999	All Other Mechanics, Installers	10,750	11,070	320	0.3	29	201	230
87000	Construction Trades and Extractive Wrkrs	155,970	173,770	17,800	1.0	1,618	3,187	4,805
87010	Construction Trades Workers	40,260	46,330	6,070	1.4	552	753	1,305
87102	Carpenters	36,680	42,530	5,850	1.4	532	665	1,197
87105	Ceiling Tile Installers	460	410	-50	-1.0	-5	8	8
87108	Drywall Installers	1,880	2,030	150	0.7	14	48	62

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87111	Tapers	1,130	1,240	110	0.9	10	29	39
87202	Electricians	25,630	25,750	120	0.0	11	569	580
87302	Brick Masons	6,840	7,620	780	1.0	71	113	184
87305	Stone Masons	420	500	80	1.7	7	7	14
87308	Hard Tile Setters	670	680	10	0.1	1	14	15
87311	Concrete and Terrazzo Finishers	4,970	5,610	640	1.2	58	80	138
87314	Reinforcing Metal Workers	840	850	10	0.1	1	17	18
87317	Plasterers	600	650	50	0.8	5	13	18
87402	Painters and Paperhangers	17,790	21,090	3,300	1.7	300	377	677
87502	Plumbers, Pipefitters, Steamfitters	15,480	16,840	1,360	0.8	124	280	404
87508	Pipelayers	2,050	2,510	460	2.0	42	52	94
87511	Septic Tank, Sewer Servicers	750	860	110	1.3	10	19	29
87602	Carpet Installers	2,140	2,610	470	2.0	43	63	106
87605	Floor Layers, Ex. Carpet, Wood, Tile	1,270	1,670	400	2.9	36	27	63
87608	Floor Sanding Machine Operators	280	310	30	1.0	3	7	10
87702	Air Hammer Operators	570	660	90	1.4	8	15	23
87705	Pile Driving Operators	140	160	20	1.3	2	4	6
87708	Paving, Surfacing, Tamping Workers	3,660	4,670	1,010	2.5	92	79	171
87711	Highway Maintenance Workers	8,480	9,010	530	0.6	48	217	265
87714	Rail-Track Laying Equip. Operators	740	600	-140	-1.7	-13	19	19
87802	Insulation Workers	2,270	2,720	450	1.8	41	66	107
87805	Sheet Metal Duct Installers	1,730	1,960	230	1.2	21	37	58
87808	Roofers	6,310	6,910	600	0.9	55	129	184
87811	Glaziers	1,480	1,620	140	0.9	13	32	45
87814	Structural Metal Workers	2,510	2,800	290	1.1	26	51	77
87817	Fence Erectors	530	590	60	1.0	5	14	19
87899	All Other Construction Workers	1,620	1,700	80	0.4	7	41	48
87900	Extractive and Blasting Workers	5,910	6,460	550	0.8	50	91	141
87902	Earth Drillers, Ex. Oil and Gas	480	490	10	0.2	1	10	11
87905	Blasters and Explosives Workers	130	110	-20	-1.4	-2	2	2
87911	Rotary Drill Operators	120	120	0	0.0	0	2	2
87917	Service Unit Operators	190	180	-10	-0.5	-1	3	3
87921	Roustabouts	310	180	-130	-3.8	-12	5	5
87941	Continous Mining Machine Operators	230	170	-60	-2.4	-5	3	3
87949	All Other Mining Machine Operators	220	160	-60	-2.5	-5	3	3
87989	All Other Extractive Occ., Ex. Helper	260	190	-70	-2.4	-6	4	4
87999	All Other Constr. and Extractive Wkrs.	3,770	4,680	910	2.2	83	56	139
89000	Precision Production Occupations	98,820	98,360	-460	0.0	-42	1,834	1,834
89100	Precision Metal Workers	59,370	56,200	-3170	-0.5	-288	1,103	1,103
89102	Tool and Die Makers	15,200	13,710	-1490	-0.9	-135	316	316
89108	Machinists	26,640	26,830	190	0.1	17	501	518
89111	Tool Grinders, Filers, Sharpener	3,350	3,190	-160	-0.4	-15	58	58
89114	Pattern and Model Makers, Metal	490	410	-80	-1.5	-7	8	8
89117	Layout Workers, Metal, Precision	740	670	-70	-0.9	-6	13	13
89123	Jewelers and Silversmiths	1,280	1,420	140	1.0	13	22	35
89126	Hand Workers, Jewelry, Precision	100	110	10	0.9	1	2	3
89128	Etchers and Engravers, Precision	430	420	-10	-0.2	-1	7	7
89132	Sheet Metal Workers	10,330	8,690	-1640	-1.4	-149	162	162
89135	Boilermakers	270	240	-30	-1.0	-3	5	5
89199	All Other Precision Metal Workers	490	460	-30	-0.6	-3	8	8
89300	Precision Woodworkers	9,570	11,980	2,410	2.3	219	210	429
89302	Pattern and Model Makers, Wood	770	830	60	0.7	5	18	23
89308	Wood Machinists	2,250	2,860	610	2.5	55	48	103
89311	Cabinet Makers and Bench Carpenters	4,890	6,180	1,290	2.4	117	104	221
89314	Furniture Finishers	1,290	1,400	110	0.8	10	31	41
89399	All Other Precision Woodworkers	370	690	320	7.9	29	9	38
89500	Precision Textile, Apparel, Furn. Wkr.	7,800	7,780	-20	0.0	-2	94	94
89502	Patternmaker, Layout, Fabric	210	320	110	4.8	10	2	12
89505	Custom Tailors and Sewers	3,330	2,670	-660	-1.8	-60	30	30
89508	Upholsterers	1,770	1,960	190	1.0	17	17	34
89511	Shoe and Leather Workers	520	580	60	1.0	5	4	9
89514	Spotters, Dry Cleaning	530	610	80	1.4	7	13	20
89517	Pressers, Delicate Fabrics	1,320	1,530	210	1.4	19	27	46
89599	All Other Precision Textile, Apparel	120	110	-10	-0.8	-1	1	1
89700	Precision Printing Workers	7,180	7,140	-40	-0.1	-4	110	110
89702	Precision Compositor, Typesetter	700	540	-160	-2.1	-15	10	10

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89705	Job Printers	560	400	-160	-2.6	-15	10	10
89706	Paste-Up Workers	850	620	-230	-2.5	-21	12	12
89707	Electronic Pagination Sys. Operators	730	1,340	610	7.6	55	10	65
89712	Photoengravers	200	160	-40	-1.8	-4	3	3
89713	Camera Operators	600	560	-40	-0.6	-4	9	9
89715	Scanner Operators	260	260	0	0.0	0	4	4
89717	Strippers	1,740	1,870	130	0.7	12	27	39
89718	Platemakers	850	710	-140	-1.5	-13	13	13
89719	All Other Litho. and Photeng. Wkrs	240	210	-30	-1.1	-3	4	4
89721	Bookbinders	270	260	-10	-0.3	-1	5	5
89799	All Other Precision Printing	200	210	10	0.5	1	3	4
89800	Food Workers, Precision	4,160	4,360	200	0.4	18	96	114
89802	Slaughterers and Butchers	1,190	970	-220	-1.7	-20	28	28
89805	Bakers, Manufacturing	1,530	1,840	310	1.8	28	33	61
89808	Food Batchmakers	1,020	1,090	70	0.6	6	25	31
89899	All Other Precision Food Workers	420	470	50	1.1	5	10	15
89900	Other Precision Workers	10,750	10,900	150	0.1	14	221	235
89902	Foundry Mold and Core Makers	1,600	1,380	-220	-1.3	-20	30	30
89905	Molders and Shapers, Exc. Jewelry	810	730	-80	-0.9	-7	15	15
89908	Patternmakers, Model Makers	360	340	-20	-0.5	-2	7	7
89911	Detail Design Decorators and Paint	340	320	-20	-0.5	-2	9	9
89914	Photographic Process Workers	770	890	120	1.4	11	20	31
89917	Optical Goods Workers	990	1,150	160	1.5	15	23	38
89921	Dental Laboratory Technicians	1,690	1,510	-180	-1.0	-16	34	34
89923	Medical Appliance Makers	180	200	20	1.0	2	4	6
89999	All Other Precision Workers	4,010	4,370	360	0.8	33	79	112
90000	Operators, Fabricators, and Laborers	947,460	1,011,000	63,540	0.6	5,776	21,354	27,130
91000	Machine Setters, Set-Up Oper/Tenders	291,590	293,780	2,190	0.1	199	6,469	6,668
91100	Selected Mach. Setters/Oper/Tenders	32,370	25,220	-7150	-2.0	-650	501	501
91102	Sawing Machine Tool Setter/Op. M/P	1,470	1,360	-110	-0.7	-10	23	23
91105	Lathe, Turning Machine Setter/Op.M/P	6,410	4,760	-1650	-2.3	-150	98	98
91108	Drilling, Boring Machine Set/Op., M/P	4,220	3,060	-1160	-2.5	-105	65	65
91111	Milling, Planing Machine Set/Op., M/P	2,480	2,380	-100	-0.4	-9	38	38
91114	Grinding, Buffing Machine Set/Op., M/P	5,120	4,630	-490	-0.9	-45	84	84
91117	Machine Tool Cutting Operator, M/P	12,680	9,030	-3650	-2.6	-332	193	193
91200	Mach Tool Cutting & Forming Setters/Ops	32,890	30,610	-2280	-0.6	-207	835	835
91302	Punching Machine Setter/Operator, M/P	3,870	3,480	-390	-0.9	-35	77	77
91305	Press, Brake Machine Setter/Oper., M/P	5,840	5,260	-580	-0.9	-53	117	117
91308	Shear, Slitter Machine Set/Oper., M/P	1,940	1,760	-180	-0.8	-16	31	31
91311	Extruding Machine Setter/Operator, M/P	3,680	3,720	40	0.1	4	114	118
91314	Rolling Machine Setter/Operator, M/P	1,520	1,390	-130	-0.8	-12	23	23
91317	Forging Machine Setter/Operator, M/P	1,610	1,430	-180	-1.0	-16	25	25
91321	Machine Forming Operators, M/P	14,430	13,560	-870	-0.5	-79	448	448
91500	Numerical Control & Comb. Mach Set/Oper	16,780	22,360	5,580	3.0	507	258	765
91502	Numerical Control Machine Tool, M/P	5,730	7,800	2,070	3.3	188	88	276
91505	Combination Machine Tool Set/Op., M/P	4,340	5,270	930	1.9	85	67	152
91508	Combination Machine Tool Operator, M/P	6,720	9,280	2,560	3.5	233	103	336
91700	Metal Fabricating Setters and Operators	11,820	10,880	-940	-0.7	-85	263	263
91702	Welding Machine Setters/Operators	2,530	2,230	-300	-1.1	-27	61	61
91705	Welding Machine Operators	6,360	5,660	-700	-1.0	-64	153	153
91708	Soldering, Brazing Machine Set/Oper.	130	120	-10	-0.7	-1	3	3
91711	Soldering, Brazing Machine Operators	260	230	-30	-1.0	-3	7	7
91714	Metal Fabricators, Structural Metals	2,550	2,650	100	0.4	9	39	48
91900	Metal and Plastic Processing Mach. Set.	29,810	31,320	1,510	0.5	137	833	970
91902	Plastic Molding, Casting Set/Operators	3,270	3,460	190	0.5	17	102	119
91905	Plastic Molding, Casting Operators	11,860	13,140	1,280	1.0	116	368	484
91908	Metal Molding, Casting Setters/Oper	1,720	1,830	110	0.6	10	53	63
91911	Metal Molding, Casting Operators	2,560	2,500	-60	-0.2	-5	79	79
91914	Foundry Mold Assembly/Shakeout Workers	1,490	1,160	-330	-2.0	-30	46	46
91917	Electrolytic Plating Set/Oper., M/P	1,040	1,260	220	1.9	20	24	44
91921	Electrolytic Plating Operators, M/P	2,190	2,630	440	1.8	40	51	91
91923	Nonelectrolytic Plating Setters, M/P	170	180	10	0.5	1	4	5
91926	Nonelectrolytic Plating Operators, M/P	270	280	10	0.3	1	6	7
91928	Heating Equipment Setters/Oper., M/P	470	450	-20	-0.4	-2	11	11
91932	Heat Treating, Tempering Machine Oper.	2,190	2,070	-120	-0.5	-11	51	51
91935	Furnace Operators and Tenders	2,110	1,940	-170	-0.7	-15	27	27

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91938	Heaters, Metal and Plastic	470	410	-60	-1.2	-5	11	11
92100	All Other Metal and Plastic Mach. Set/Ops	13,560	17,370	3,810	2.6	346	314	660
92197	All Other Metal and Plastic Mach. Setters	6,770	8,780	2,010	2.7	183	157	340
92198	All Other Metal and Plastic Mach. Oper.	6,790	8,580	1,790	2.4	163	157	320
92300	Woodworking Machine Setters, Operators	4,350	3,880	-470	-1.0	-43	92	92
92302	Sawing Machine Setters/Operators	320	270	-50	-1.4	-5	7	7
92305	Head Sawyers	310	280	-30	-0.9	-3	7	7
92308	Sawing Maching Operators/Tenders	1,220	990	-230	-1.7	-21	27	27
92311	Woodworking Machine Setters/Operators	610	520	-90	-1.3	-8	12	12
92314	Woodworking Machine Operators	1,900	1,830	-70	-0.3	-6	39	39
92500	Printing, Binding, and Related Occup.	20,430	21,660	1,230	0.5	112	374	486
92510	Printing Press Machine Setters/Oper.	580	610	30	0.5	3	11	14
92512	Offset Lithographic Press Setters	3,080	3,190	110	0.3	10	60	70
92515	Letterpress Setters/Operators	570	170	-400	-6.4	-36	11	11
92519	All Other Printing Press Setters/Oper.	1,710	2,050	340	1.8	31	33	64
92522	Specialty Materials Printing Workers	580	640	60	0.9	5	11	16
92524	Screen Printing Machine Setters/Oper.	2,220	2,670	450	1.8	41	43	84
92525	Bindery Machine Setters/Operators	920	940	20	0.2	2	14	16
92529	All Other Printing Setters/Operators	290	330	40	1.3	4	5	9
92541	Typesetting Machine Operators/Tenders	690	200	-490	-6.5	-45	10	10
92543	Printing Press Machine Operators	6,080	6,430	350	0.5	32	118	150
92545	Photoengraving and Lithog. Operators	210	160	-50	-2.2	-5	3	3
92546	Bindery Machine Operators	2,560	3,220	660	2.3	60	40	100
92549	All Other Printing, Binding, Rel. Wkr.	960	1,070	110	1.0	10	15	25
92700	Textile and Related Mach. Setters/Opers.	25,180	26,320	1,140	0.4	104	470	574
92702	Textile Machine Setters/Operators	500	430	-70	-1.3	-6	8	8
92705	Textile Machine Operators	1,510	1,490	-20	-0.1	-2	24	24
92708	Extruding Machine Operators, Fibers	1,200	1,760	560	4.2	51	22	73
92717	Sewing Machine Operators, Garment	5,000	5,430	430	0.8	39	80	119
92721	Sewing Machine Operators, Non-Garment	6,710	6,330	-380	-0.5	-35	107	107
92723	Shoe Sewing Machine Operators	410	260	-150	-3.3	-14	4	4
92726	Laundry, Drycleaning Machine Operators	7,260	7,830	570	0.7	52	171	223
92728	Pressing Machine Operators, Textiles	2,500	2,680	180	0.7	16	52	68
92900	Other Machine Setters/Opers/Tenders	104,380	104,170	-210	0.0	-19	2,529	2,529
92902	Electronic Semiconductor Workers	610	730	120	1.8	11	14	25
92905	Motion Picture Projectionists	420	270	-150	-3.2	-14	10	10
92908	Photographic Processing Machine Oper.	930	980	50	0.5	5	22	27
92911	Tire Building Machine Operators	2,130	1,900	-230	-1.0	-21	50	50
92914	Paper Goods Machine Setters/Operators	2,530	2,190	-340	-1.2	-31	60	30
92917	Cooking Machine Operators, Food	620	690	70	1.0	6	15	21
92921	Roasting and Drying Operators, Food	400	420	20	0.5	2	9	11
92923	Furnace, Kiln, Oven, Kettle Operators	1,980	1,850	-130	-0.6	-12	26	26
92926	Low Pressure Boiler Operators	810	550	-260	-2.9	-24	19	19
92928	Cooling, Freezing Equipmen Operators	280	280	0	0.0	0	7	7
92932	Dairy Processing Equipment Operators	930	970	40	0.4	4	33	37
92935	Chemical Equipment Controllers/Oper.	3,480	3,140	-340	-0.9	-31	125	125
92938	Chemical Equipment Tenders	680	640	-40	-0.5	-4	25	25
92941	Cutting and Slicing Setters/Operators	1,190	1,310	120	0.9	11	19	30
92944	Cutting and Slicing Machine Operators	4,580	5,050	470	0.9	43	73	116
92947	Painters, Transportation Equipment	1,990	2,020	30	0.1	3	49	52
92951	Coating, Painting Setters/Operators	2,600	2,910	310	1.1	28	65	93
92953	Painting Machine Operators and Tenders	4,440	4,790	350	0.7	32	110	142
92956	Cementing and Gluing Machine Operators	2,390	2,260	-130	-0.5	-12	56	56
92958	Cleaning, Pickling Equipment Operators	1,520	1,420	-100	-0.6	-9	36	36
92962	Separating, Filtering Machine Oper.	920	880	-40	-0.4	-4	33	33
92965	Crushing and Mixing Machine Operators	9,680	9,910	230	0.2	21	227	248
92968	Extruding, Forming Setters/Operators	1,880	1,550	-330	-1.6	-30	44	44
92971	Extruding and Forming Operators	7,440	6,890	-550	-0.7	-50	175	175
92974	Packaging and Filling Machine Oper.	16,640	18,610	1,970	1.1	179	398	577
92997	All Other Machine Setters/Operators	6,310	5,540	-770	-1.1	-70	157	157
92998	All Other Machine Operators	27,000	26,450	-550	-0.2	-50	672	672
93000	Handworking Occup., Inc. Assemblers	175,500	184,230	8,730	0.5	794	4,120	4,914
93100	Precision Assemblers	18,540	20,710	2,170	1.1	197	354	551
93102	Aircraft Structure Assemblers	840	790	-50	-0.5	-5	14	14
93105	Machine Builders	4,460	5,170	710	1.4	65	77	142
93108	Structural Metal Fitters	480	290	-190	-3.6	-17	8	8

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93111	Electromechanical Equip. Assemblers	1,740	1,760	20	0.1	2	38	40
93114	Electrical, Electronic Assemb., Prec.	6,030	5,790	-240	-0.4	-22	131	131
93197	All Other Precision Assemblers	4,910	6,830	1,920	3.6	175	84	259
93900	Other Hand Workers and Assemblers	156,970	163,520	6,550	0.4	595	3,766	4,361
93902	Machine Assemblers	3,910	3,740	-170	-0.4	-15	90	90
93905	Electrical, Electronic Assemblers	7,910	6,920	-990	-1.1	-90	182	182
93908	Coil Winders, Tapers, Finishers	990	730	-260	-2.4	-24	23	23
93911	Glaziers, Manufacturing	250	250	0	0.0	0	5	5
93914	Welders and Cutters	19,880	22,070	2,190	1.0	199	477	676
93917	Solderers and Brazers	1,090	1,220	130	1.1	12	28	40
93921	Pressers, Hand	290	440	150	4.7	14	7	21
93923	Sewers, Hand	230	210	-20	-0.8	-2	2	2
93926	Cutters and Trimmers, Hand	2,020	2,100	80	0.4	7	53	60
93928	Portable Machine Cutters	140	150	10	0.6	1	4	5
93932	Carpet Cutters, Diagrammers, Seamers	120	140	20	1.5	2	3	5
93935	Cannery Workers	2,330	2,550	220	0.9	20	56	76
93938	Meat, Poultry, Fish Cutters	1,800	1,900	100	0.5	9	47	56
93941	Metal Pourers, Basic Shapes	1,140	940	-200	-1.6	-18	30	30
93944	Molders and Casters, Hand	1,300	1,180	-120	-0.8	-11	34	34
93947	Painting and Coating Workers, Hand	2,180	2,640	460	1.9	42	57	99
93951	Engraving and Printing Workers, Hand	440	460	20	0.4	2	11	13
93953	Grinding and Polishing Workers, Hand	5,740	6,100	360	0.6	33	150	183
93956	All Other Assemblers, Fabricators	76,020	77,490	1,470	0.2	134	1,744	1,878
93999	All Other Hand Workers	29,190	32,310	3,120	1.0	284	763	1,047
95000	Plant and System Occupations	16,370	16,050	-320	-0.2	-29	364	364
95002	Water and Waste Treatment Plant Oper.	6,190	6,460	270	0.4	25	137	162
95005	Gas Plant Operators	100	100	0	0.0	0	2	2
95008	Chemical Plant and System Operators	2,340	2,340	0	0.0	0	52	52
95011	Petroleum Pump System Operators	100	100	0	0.0	0	2	2
95014	Petroleum Refinery Operators	510	480	-30	-0.5	-3	11	11
95017	Gaugers	120	130	10	0.8	1	3	4
95021	Power Generating Plant Operators	1,390	1,340	-50	-0.3	-5	31	31
95023	Auxiliary Equipment Operators, Power	410	350	-60	-1.3	-5	9	9
95026	Power Reactor Operators	120	120	0	0.0	0	3	3
95028	Power Distributors and Dispatchers	690	570	-120	-1.6	-11	15	15
95032	Stationary Engineers	1,380	1,180	-200	-1.3	-18	32	32
95099	All Other Plant and System Occupations	3,020	2,870	-150	-0.5	-14	67	67
97000	Transp. and Mat. Moving Machine Oper.	246,900	273,170	26,270	1.0	2,388	4,431	6,819
97100	Motor Vehicle Operators	166,540	187,700	21,160	1.2	1,924	2,847	4,771
97102	Truck Drivers, Heavy	68,840	75,960	7,120	0.9	647	1,124	1,771
97105	Truck Drivers, Light	51,040	59,260	8,220	1.5	747	834	1,581
97108	Bus Drivers	3,200	3,830	630	1.8	57	57	114
97111	Bus Drivers, School	21,290	23,390	2,100	0.9	191	380	571
97114	Taxi Drivers and Chauffeurs	4,110	5,070	960	2.1	87	45	132
97117	Drivers/Sales Workers	17,070	19,020	1,950	1.0	177	389	566
97199	All Other Motor Vehicle Operators	990	1,170	180	1.7	16	18	34
97300	Rail Transportation Workers	3,900	3,210	-690	-1.6	-63	42	42
97302	Railroad Conductors, Yardmasters	1,210	1,170	-40	-0.3	-4	13	13
97305	Locomotive Engineers	790	700	-90	-1.0	-8	8	8
97308	Rail Yard Engineers, Dinkey Operators	530	360	-170	-2.9	-15	6	6
97317	Railroad Brake, Signal, Switch Wkrs.	1,300	920	-380	-2.7	-35	14	14
97500	Water Transportation and Related Wkrs.	1,900	2,100	200	1.0	18	30	48
97502	Captains, Water Vessel	240	280	40	1.5	4	4	8
97505	Mates: Ship, Boat, And Barge	250	270	20	0.7	2	4	6
97514	Able Seamen	550	600	50	0.8	5	9	14
97517	Ordinary Seamen and Marine Oilers	450	490	40	0.8	4	7	11
97521	Ship Engineers	320	350	30	0.9	3	5	8
97702	Aircraft Pilots and Flight Engineers	2,210	2,370	160	0.7	15	68	83
97800	Other Transportation Workers	15,420	16,500	1,080	0.6	98	346	444
97805	Service Station Attendants	6,310	6,040	-270	-0.4	-25	179	179
97808	Parking Lot Attendants	2,430	3,050	620	2.3	56	45	101
97899	All Other Transportation Workers	6,590	7,330	740	1.0	67	121	188
97900	Material Moving Equipment Operators	56,940	61,290	4,350	0.7	395	1,098	1,493
97905	Tank Car and Truck Loaders	270	260	-10	-0.3	-1	4	4
97908	Oil Pumpers, Except Well Head	300	290	-10	-0.3	-1	5	5
97911	Well Head Pumpers	440	450	10	0.2	1	7	8

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97921	Gas Compressor Operators	220	210	-10	-0.4	-1	3	3
97923	Excavation Loading Machine Operators	3,050	3,470	420	1.3	38	57	95
97926	Dragline Operators	240	220	-20	-0.8	-2	4	4
97932	Loading Machine Operators	120	110	-10	-0.8	-1	2	2
97938	Grader, Dozer, Scraper Operators	4,060	4,320	260	0.6	24	65	89
97941	Hoist and Winch Operators	420	380	-40	-0.9	-4	9	9
97944	Crane and Tower Operators	3,170	3,020	-150	-0.4	-14	63	63
97947	Industrial Truck and Tractor Oper.	25,380	26,960	1,580	0.6	144	542	686
97951	Conveyor Operators and Tenders	3,540	3,490	-50	-0.1	-5	54	54
97953	Pump Operators	410	400	-10	-0.2	-1	10	10
97956	Operating Engineers	7,190	8,230	1,040	1.3	95	149	244
97989	All Other Trans., Mat. Moving Oper.	7,800	9,140	1,340	1.6	122	119	241
98000	Helpers, Laborers and Hand Movers	217,100	243,770	26,670	1.1	2,425	5,970	8,395
98102	Mechanic & Repairer Helpers	6,010	7,300	1,290	2.0	117	197	314
98300	Construction Trades Helpers	20,330	24,080	3,750	1.7	341	475	816
98311	Helpers, Brick and Stone Masons	3,970	4,880	910	2.1	83	93	176
98312	Helpers, Carpenters and Related	6,470	8,010	1,540	2.2	140	151	291
98313	Helpers, Electricians and Related	2,300	2,320	20	0.1	2	54	56
98314	Helpers, Painting and Paperhanging	1,110	1,290	180	1.5	16	26	42
98315	Helpers, Plumbers and Related	2,650	3,170	520	1.8	47	62	109
98316	Helpers, Roofers	840	960	120	1.3	11	20	31
98319	Helpers, All Other Construction	2,210	2,610	400	1.6	36	51	87
98323	Helpers, Extractive Workers	780	850	70	0.8	6	18	24
98502	Machine Feeders & Offbearers	15,570	15,170	-400	-0.2	-36	379	379
98700	Hand Freight, Stock, Material Movers	37,220	35,920	-1300	-0.3	-118	1,408	1,408
98705	Refuse Collectors	3,140	2,660	-480	-1.4	-44	62	62
98799	All Other Freight, Stock, Movers	33,990	33,170	-820	-0.2	-75	1,342	1,342
98900	A.O. Help., Lab. and Mat. Movers, Hand	137,980	161,300	23,320	1.5	2,120	3,511	5,631
98902	Hand Packers and Packagers	47,810	55,840	8,030	1.5	730	1,227	1,957
98905	Vehicle Washers and Equipment Cleaners	12,410	15,270	2,860	2.1	260	401	661
98999	All Other Helpers, Laborers, Movers	77,760	90,180	12,420	1.5	1,129	1,883	3,012

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